

Introduction to the Story

MODRS or some effective and artists take of our earlier, it is difficult to rice a prefer earlier one to one gover all the rest. Yet, certainly, one on a cone to one gover all the rest. Yet, certainly, or an a Cowell' was the prime high rend. Perhaps this atray will be remembered white some of his prosider forth have been a formed him which some of his prosider dirth have been additionated by contrained of these. At least, of the energy beach whose workers own the contrained his promise in the contrained of the contrained his promise in the contrained his promise contrained to be read contrained to the contrained his promise contrained his pr

here shandous his sound servoulously selectific at-

titude used given his forces frever reine. In order that may general to affern the depth of cinemature, and to react, in almost the depth of cinemature, and the react, in almost use the statements results from a contract and a cont

this remarkable comernault. These events all belong to the realm of fairwand. If the situation were reproduced in actuality, if ener a count should come into collision with the earth are can convenies two arientifically possible results. If the corret were of such attenuation, such siresof infiniterireal seaso as some of these celestial wenderers saves to be, see can imagine our earth selfprotection and possibly upharmed. If, on the other

Amed, the cornet had even a hundredth part of the eize and solidity and assiskt which Verse confers upon his monster so as to give his travelers a homein that care the callision sould be impreakably dis-

occusied the exact point of contact But once created the initial and the eleging entravagence, the departure and return of his chargetern, the plake and owens of his tale. Any closely the

bilities of the universe beyond our earth, the actual knowledge so hard wen by our astronomers! Other authors soho, afree Verse, have fold of trips through the planetary and stellor universe have given free rain to fancy, to dreams of what might be found. Verse has endoapproved to impart only soket in houses. In the same wear with "Off on a Comet," 1977, was published also the tole variously named and tram-

lated as "The Black Indies," "The Underground City," and "The Child of the Coners," This story like "Round the World in Eighty Doys" was first insued in "femiliaton" by the nated Ports neurospace "Le Terma!" Its success did not equal that of its predecemer in this stule. Some critics indeed have pointed to this work as marking the beginning of a decline in the author's power of ampline internst. Many of his best works were, however, still to fellen.

Off On a Comet Or Hector Servadae By JULES VERNE Rook I

CHAPTER I

A CHALLSNEE BOTHING, sir, can induce me to surrender

"I am sorry, count, but in such a matter year views cannot modify mine." "But allow me to point out that my emigrity uncuestionably gives me a rejor right."

"Mere seniority. I assert in an affair of this kind carnet possibly entitle you to any prior cleim what-"Then, captain, no alternative is left but for me to commel you to yield at the award's noint."

nistel can force me to forego my protensions. Here is my card." "And mise." This rapid alterestion was thus brought to an

end by the formal interchange of the names of the discretants. On one of the cards was inscribed: Castain Hector Servados. Stoff Officer, Montaganers

On the other was the title: Count Wared's Timuscheff. On board the Schooner "Dabrana." It did not take long to arrange that recends

should be appointed, who would meet in Mostaganem at two o'clock that day; and the captain and other, with a salete of punctilious courtesy, when Timescheff, as if struck by a nuclear thought, said abruptly: "Perhaps it would be better, captain, not to allow the real cause of this to transmire." "Far better," replied Servadue; "It is undesirable "In that case, however," continued the count, "it will be necessary to assists an extensible protest of some kind. Shall we allege a musical disputsa contention in which I feel bound to defend Wagper, while you are the resions champion of Ron-#ini?** "I am quite content," answered Servadar, with a

The scene as here depleted, took place upon the extremity of a little expe on the Algerian coast, between Mostagazem and Tenes, about two miles from the mouth of the Shehit. The bendland rose more than sixty feet above the sea-level, and the asure waters of the Mediterranean, as they softly kissed the strand, were tinged with the reddish has of the ferriferous rocks that formed its base, was the Sixt of December. The roontide sun, which usually illuminated the various projections of the

coast with a dazgling brightness, was hidden by a dease mass of cloud, and the feg, which for some unascountable came, had hung for the last two months over nearly every region in the world, causing serious interruption to traffic between continent and continent, errend its dream well across land

After taking leave of the staff-officer, Court Wassill Timescheff wended his way down to a small creek, and took his seat in the stern of a light four-our that had been awaiting his return; this was immediately pushed off from shere, and was soot sicrosside a pleasure-vasht, that was lying to not many cable lengths away.

At a right from Servadae, an orderly, who had been standing at a respectful distance, led forward a magnificent Arabian horse; the captain vanited into the saddle, and followed by his attendant, well mounted as himself, started off towards Mostararem. It was half-roat twelve when the two riders crossed the bridge that had been recently erected over the Shelif, and a quarter of an hour later their steeds, flecked with form, dashed through the Musin the embattled wall that controled the town. At that data Mostaganem contained about fifteen thousand mhabitants, three thousand of whom were French. Besides being one of the principal

district towns of the recognos of Oran, it was also a military station. Mostagement rejoiced in a wellsheltered harbor, which enabled it to utilize all the rich products of the Mins and the Lower Shelif, It was the existence of so good a harbor amidst the exposed cliffs of this count that had induced the owner of the Dobrose to winter in these parts, and feeting from ber yard, whilst on her most-head was heisted the necessary of the French Yaght Clob, with

the distinctive letters M. C. W. T., the initials of Having entered the town, Captain Servadae made his way towards Matmore, the military quarter, and was not long in finding two friends on whom he might rely-a major of the 2nd Fusileers, and a centain of the 8th Artillery. The two officers listened gravely enough to Servadae's request that they could not resist a smile on hearing that the disnets between him and the count had originated in a mu-

sical discussion. Surely they apprecial the matter might be easily arranged; a few slight concessions on either side, and all might be amicably adjusted. But no representations on their part were of any avail. Heator Servadae was infexible

"No concession in possible," he replied, resolutely, "Rought has been deeply taxawd, and I cannot suffor the injury to be unavenged. Wagner is a fool. I shall keep my word. I am quite firm." "Be it so, then," replied one of the officers; "and

after all, you know, a sword-out need not be a very serious affair." "Certainly not," rejoined Servadae; "and especially in my case, when I have not the slightest

intention of being wounded at all." Incontaious as they naturally were as to the assigned cause of the quarrel, Servadac's friends had no alternative but to accept his explanation. and without further parley they started for the staff office, where, at two o'clock progrady, they hours later they had returned. All the preliminaring had been arranged; the count, who like many Russians abroad was an aide-de-camp of the Coar,

had of course presented awards as the most approprints wespens, and the duel was to take place or the following morning, the first of January, at nine oblook, smen the cliff of a sand short a mile and a half from the mouth of the Shellf. With the assurance that they would not full to keep their appointment with military panetuality, the two offcers cerdially wrome their friend's band and retired to the Zulms Café for a gene at piquet. Captain Servadae at once retraced his steps and left the

For the last fortnight Servades had not been occupying his proper lodgings in the military quarters; having been appointed to make a local lovy, he had been living in a gearbi, or native hot, on the Mostagarem coast, between four and five miles from the Shelif. His orderly was his sole comsary to coneal, was to be an ode addressed to a young widow by whom he had been captivated, and whom he was anxious to marry, and the teror of his wrose was intended to Nervas that when once a warn has found an object in all respects worthy of his adfections he should love her "in all simulicity." Whether the aphorism was universally true was not very material to the callent captain, whose sole which this should be the pravaiting sentiment. He ine a composition which would have a fine effect here in Algeria, where nostry in that form was all

nanion, and by any other man than the eartain the

enforced exife would have been esteemed little short

On his way to the gourbd, his mental occupation was a very laborious affort to put together what he

was pleased to call a ronds, upon a model of versi-fication all but chroicie. This rondo, it is unneces-

"I know well enough," he said reneatedly to himself. "what I want to say. I want to tell her that I love her sincerely, and wish to marry her; but, confound it! the words won't rhome. Placue on it! Does nothing rhyme with 'simplicity'? Ah! I have

it now: Lovers abould, whoeler they he. Love in all simplicity." But what next? how am I to so on? I say, Ben Zoof." he rolled sloud to his arthriv, who was tret.

ting allently close in his year, "did you ever compose "No, captain," answered the man promptly: "I have never made any verses, but I have seen them made fast enough at a booth during the fitte of

Montmartre," "Can you remember them?" "Remember them! to be sure I can. This is the way they began :

The entrance money you have spent; The woodrous mirror in this place. Breech your future sweetheart's foce."" "Rosh!" eried Servedec In discout; "your verses

are detectable trush." "As good as any others, captain, squeaked through a reed pipe." "Hold your tongue, man," said Servader per-emptorib; "I have made another countet.

Lovers should, whoe'er they he, Love in all simplicity; Offer I myself to thee."

Bayond this, however, the captain's nostical genius was impotent to earry him; his further efforts were unavsiling, and when at six o'clock he reached the gonrhi, the four lines still remained the

limit of his composition. CHAPTER II

CAPTAIN SERVADAC AND SUS GROSSELY. At the time of which I write, there might be seen in the registers of the Minister of War the following entry: SERVADAC (Hector), horn at St. Trélody in the

district of Lesparre, department of the Gironda July 19th, 18-Property: 1200 frames in rentes.

Length of service: Fourteen years, three months, and thre days.

Service: Two years at school at St. Cyr; two years at L'Eccle d'Application; two years in the StR Regiment of the Line; two years in the 3rd Light Cavalry; seven years in Algaris.

Commences: Sorther and Jenus.

Rexis: Captain on the staff at Mostaganam. Decorations: Chevaller of the Legion of Honor, March 18th, 18—, Hector Servadae was thirty years of age, an

nector servant was three years or age, an orphan without image, and almost without means. Thirsting for given rather than for gold, slightly scatter-brained, but warm-hearted, generous, and hrave, he was emisculy fitted to be the proving of the god of buttles. For the first wear and a half of his existence be

had been the foster-child of the sturdy wife of a vine-dreaser of Médoc—a lineal descredant of the heroes of ancient prowess; in a word, be was one of those individuals whom nature seems to have predestined for remarkable things, and around whose sends have hoursed the fair rood-mothers.

of adventure and good lack.

In appearance lifeter Serradas was quilte the type of an offer; he was rather more than five feet ike inches high, slim and graceful, with desic cuting hair and mattaches, well-formed hunds and feet, and a clear bloo rey. He seemed born to plassa without being consolute of the power he promosable. It must be owned, and no can was more ready for confess it than himself, that his liberary attainments were by no meant of a high order. We dear ments were by no meant of a high order. We dear

ments user by 30 flaction of a lagic conter. "we there of conference indicates that they do not shift their stays from the other conference, indicated that they do not shift their stays for fertoman pursuits; but it must be confessed that for fertoma pursuits; but it must be confessed that stays and his ready intelligence had carried this successfully through the curriculator of the carty convention to the conference of th

The following episode may suffice, in a certain degree, to fillurate she character. Once, in action, by was leading a detachment of infantry through an interestiment. They came to a piece where the side-work of the trench had been so riddled by shell that a poetton of it had notually fishes in, leaving an aperture quite unabeltered from the grape-shot that was pourne; in thick and fant. The nece heistered was pour in thick and fant. The nece heistered. In an instant Servades mounted the side-week, laid himself down in the gay, and thus filling.

that was pouring in thick and first. The men hair taind. In an instant Servadae mounted the sidework, laid himself down in the zee, and thus filling ap the breach by his own hody, shouted, "March out" And through a storm of shot, not one of which tenched the proximate officer, the treop passed in

safety.

Since leaving the military college, Servadae, with
the exception of the two extrapalges in the Seedess
and Appen, and store observationed in Algeria,
and the servation of the Appendix of the Appendix
and the Seedess of the Appendix of the Appendix
and had highly been entrated with some topparmphical work on the coast between Tenes and the Shelfit
It was a matter of Bittle consequence to him their

in no hearry at all to bring his task to an cod. His
occepation, moreover, was not so engressing but
that he could find history for taking a short railway
that he could find history for taking a short railway
and again porting in an opporance at the general's
receptions at Oran, and at the fites given by the
powerment at Autern.
concentrations that he had first
int Mindsime do L.—. the help to when he wea
deprived of dedicating the roots, the first four lines
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the gourbs, in which of necessity he was quartered,

was uncomfortable and ill-contrived; he loved the

open air, and the independence of his life suited him well. Sometimes be would wander on feet upon

the sandy shore, and sometimes he would enjoy a

ride along the summit of the cliff; altogether being

of which had just seen the light. She was a colone? widney, young and handstoon, you presserved, not to say lungibly in the manner, and either indifferent or imperition to the animetrion which she imprical. Outpoins Serradher had not yet ventured to declare his attachment; of virsis he was owd warms he had not a few, and amment these sort the least formulations of the season of

accepted by her two ardent admirers.

During his real-bases in the gravity, Rector Servades sub companion was the orders, Pan Zonel. Bee, Zoof was devoled, body and soul, to his agreed as the property of the property of the property of the absorbed in his materia watflers, that it is certain an offer of premoless—even had it been that of substitution of property of the property of the little property of the property of the tension of the property of the property of the little property of the property of the property of Montanette in Paris, and how or why he had no delicted this protocym tensor out of these assemblies

find it hard to explain. Born on the hill of Montmartre, between the Solferino tower and the mill of La Galette. Ben Zoof had ever possessed the most unreserved admiration for his birthplace; and to his eyes the heights and district of Montmurtre represented an enitoms of all the wonders of the world. In all his travels, and these had been not a few, he had never behalf agencey which could corrects with that of his native home. No cathedral-not even Burgos itself -could vie with the church at Mostmartre. Its Pentilioue; its reservoir would throw the Mediterranean into the shade; its forests had flourished long before the invasion of the Celta; and its very mill produced to ordinary flour, but provided material for colors of world-wide records. To errors

mill produced no ordinary four, but provided material for caltes of world-wide renova. To errors all, Montmartre boasted a menuncia—a veritable mentatin; carvious tongues indeed might promouses it little more than a hill; but Ben Zoof would have allowed himself to be haven in pieces rither than affinit that it was applying leas than fiften theu-

sand feet in height.

Ben Zoo's most ambitious desire was to induce the captain to go with him and end his days in his much-leved bosse, and so inconsently were Serve-

dan's area besigned with descriptions of the propernished beoutin and advantages of this explaneath arrondissement of Faris, that he could sacroely har the name of Mentmarte without a conscious thrill of severaton. Ben Zoof, however, did not described by the control of the control of the pair of ultimately converting the captain, and meanwhile had resolved never to leave him. When a private is the bit Cavalay, he had been on the

a private in the 8th Cavalry, he had been on the at of quitties the some at twenty-cight years of age, but unexpectedly he had been appointed orderly to Cantala Servadas. Side by side they faught in two carrowines. Servedue had saved Ben-Zoof's life in Japan; Ben Zoof had rendered his master a like arraice in the Santan. The bond of union thus effected could never be severed; and although Ben Zoof's achievements had fairly corned honors or any penales that might part him from his superior officer. Two stout arms, an iron constitution, a powerful frame, and an indomitable courage warn all lyrally demonst to his reaster's sarvice, and fairly switted him to his sof-disant designation of "The Rampart of Montmortre." Unlike his master. he made no pretenden to any gift of poetic power, but his inexhaustible memory made him a living en-

excipentia; and fire his ricket of anecdotes and recognity that he was multilates.
Thereughly appreciating his arrant's pool qualterior and the properties of the second properties of produced the production of the production of the good known these Mitogramshay which is a less faithful follower would have been insideable, and to the production of the production of the production of the translation of the production of production of the production of the production of the production of the country of the production of the produ

matter or some torrecen thousand rect to make it as high as Most Blanct?"

Ben Zoof's eyes glistened with delight; and from that memoral Hector Servadus and Montmartee held even visces in his affection.

CHPTER III

COMPORTO OF mud and loose stones, and covered with a batch of turf and straw, known to the natives by the same of "dring," the purel's, though, a grade letter than the tunts of the sound Araba, was yet far interior to say shafetate built of bride so often. It adjoined an oil stone bastletry, previously one affected, while the far beautiful properties. It was also been also the strain of the strain of the lower affected, while to Te Bra. Got and the two keyess. It still contained a considerable number of teels, such as mattody, showing, and schooms.

Therefore the transfer of the property above the property of the strength of the property above bereates and his attended made no combination between the property of the property of the total or behalf, after discrept leaving his orderly to store away the remains of the report in what he was pleased to term the "cupbant of his streams." Cupting Serrador turned out into the span air to stanks his plue upon the edge of the cilif. The shades of night were drawing on. An hour previculty will be heavy about he has hed was

below the borison that bounded the plain beyond the Shellf.

The sky presented a most singular appearance. Towarts his north, altrough the destrones readered it impossible to see beyond a quarter of a mile, the apper situate of the altemplates were officiated with a sport system of the altemplates were officiated with a sport system of the altemplates were officiated with a sport system of the altemplates of a supply of a surver arch of luminous rays, believed a simply of a surver bornells, even had such a photomorous been possible in these hittories; and the most capacities capability to consider would have been quantum to explain the cause

her, the last evening of the passing year.

But Captain Berevade was nesteroelegist, and
it is to be doubled whether, since howing ashed,
he had even opened his "Course of Comography,"
Busides, he had other threights to occupy his mind.
The prospect of the morerow offered section matter
for consideration. The captain was saturated by
no permand submoutly against the count; though or
rivals, the two men regarded each other with sinwhich one of the count of the county
which could be a submitted or the county though the
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must decide. At aight strikery, Captain Servedes recentered the gourbi. the single apartment of which contained his had a small writing table, and some trucks that served instead of cupboards. The orderly performed his culirary corrections in the adicining build. ing, which he also used so a bed-room, and where, extended on what he called his "good cale mattress." he would skeep soundly as a decreasing for tradehours at a stretch. Ben Zoof had not vet received his orders to retire and ensemble himself in a corner of the goarbi, he endeavored to doce-a task which the unusual agitation of his master rendered samewhat difficult. Cantain Servadae was seiderthe in no hurry to betake himself to rest, but seating himself at his table, with a pair of companies and a shoot of drawing-paper, he began to draw, with red and blue gravons, a variety of colored lines, which could hardly be supposed to have much connection

with a topographical survey. In truth, his charnester of staff-follow was now entirely absorbed in that of Easeen post. Whether he imagined that the compassas would bestew upon his wreves the measurced that the particulored lines would hear up not ed. It is the particulored lines would hear up not to be beythen, it is impossible to determine be that as it may, be was devoting all his energies to the completion of his rende, and suppossibly difficult to found the bank. "The classification," whatever induced me. "There it?" he classified, "whatever induced me.

as to raily fugitives in a hattle. But, by all the powers! It chan't be said that a French effect cannot cope with a piece of poetry. One building has fought—now for the rest? Perseverance had its reward. Presently two

Perseverance had its reward. Presently two lines, one red, the other blue, appeared upon the paper, and the captain murmured:

"Words, mere words, campot avail, Telling true beart's tender tale."
"What on each alls my master?" postered Ben

"What on earth ails my master?" mattered Ben Zoof; "for the last bour he has been as felgety as a bird returning after its winter migration." Servadae auddenly started from bis seat, and as

OFF ON A COMET he paged the room with all the frency of nortic in-CHAPTER V spiration, read out : Empty words cannot convey All a lover'e heart would say. VINLEYS as the commotion had been, that per-"Well, to be sure, be is at his everlasting verses

words with dramatic gestures, Servadae began to "Litten, lady, to my yown-O, exceent to be my spouse; Constant over I will he. Constant . . . No closing lines were uttered. All at once, with unutterable violence, the captain and his orderly ware dashed, face downwards, to the ground.

again?" said Ben Zoof to himself, as he roused him-

self in his corner. "Terrossible to alson in such a

instant the orderly was upon his feet, standing in a

military attitude, one hand to his forshand, thu

shouted Servadae: "I have just thought of the end

And in a voice of inspiration, accompanying his

noise;" and he gave vent to a load groun.

"Nothing, air, only the nightmare,"

other closely presend to his fromus-search. "Stay where you are! don't move an inch!"

"What alls you?"

decisim:

CHAPTER IV A CONVUESION OF NATURE

WHENCE came it that at that very moment the horison underwest so strange and sudden a modification, that the eye of the most praticed mariner could not distinguish between sea and sky? Whence came it that the billows raced and rose to a helpht hitherte unregistered in the records of

Whence came it that the elements united in one desfening crush; that the earth grouned so though the whole framework of the globe were runtured: that the waters round from their impromest deviluethat the air shricked with all the fury of a cyclone? Whence came it that a radiance, intenser them the effulgence of the Northern Liebts overgread the firmament, and momentarily dimmed the splea-

Whence came it that the Mediterranean, one is stant emptied of its waters, was the past flooded with a forming surge? Whence came it that in the space of a few secends the move's disc reached a magnitude as though

dor of the brightest sture?

explain its reveters?

it were but a tenth part of its ordinary distance Whence came it that a new blazing appeared, hitherto unknown to astronomy, now appeared suddealy in the firmament, though it were but to lose

itself immediately behind masses of accumulated cleat? What phenomenon was this that had produced a cutaclyon so tremendous in effect upon earth, sky,

Was it possible that a single human being could have curvived the convulsion? and if so, could be

the right bank of the Shelif, speezed to have suffered little change. It is true that indentations "How next. Ben Zoof?" said the cantain sharely. were perceptible in the fertile plain, and the surface of the sea was ruffled with an acitation that was quite unusual; but the rugged outline of the "Curse the fellow, he has quite interrupted me!" oldf was the same as heretofore, and the averet of ejuculated the captain. "Ben Zoof!" he called aloud. the entire scene appeared unaltered. The stone "Here, sir!" was the prompt reply; and in an hostelry, with the exception of some deep clefts in

its walls, had sustained little injury; but the gourhi, like a bouse of cards destroyed by an infant's breath, had completely subsided, and its two inmates lay motionless, hurled under the nunkers It was two hours after the estastrophe that Cap-

tion of the Aircrian coast which is bounded on the

north by the Mediterranean, and on the west by

tain Servadae reguland consciousness; he had some trouble to effect his thoughts, and the first sounds that escaped his lips were the concluding words of the rondo which had been so ruthlessly interrupted; "Constant ever I will be,

Constant . . . His next thought was to wonder what had happenad; and in order to find an amwer, he meshed aside the broken thatch, so that his head appeared

above the debrie. "The gourts leveled to the eround!" he exclaimed, "surely a waterspout hea named along the coast." He falt all over his body to perceive what injuries he had sustained, but not a sprain nor a scratch

could be discover. "Where are you, Ben Zoof?" he "Here, sir!" and with military promptitude a second head protruded from the rubbish. "Have you any notion what has happened, Ben

"Two a notion, captain, that it's all up with us." "Nonserse, Ben Zood; it is nothing but a waterapont!" "Very good, sig;" was the philosophical reals. immediately followed by the query, "Any hones

broken, sir?" "None whotever," said the captain. Both men were soon on their feet, and hegen to make a vigorous clearance of the rains, hencath

which they found that their arms, cooking utenalls, and other property, had sustained little injury. "By-the-br, what o'clock is it?" saled the con-"It must be eight o'clock, at least," said Ben

Zoof, looking at the sun, which was a considerable height above the horizon, "It is almost time for "To start! what for?"

"To keep your appointment with Count Timescheff." "By Jove! I had forgotten all about it?" ex-

claimed Servadao, Then looking at his watch, he cried, "What are you thinking of, Ben Zeof? It is scarcely two o'clock.

"Two in the morning, or two in the afternoon?" zaked Ben Zoof, again regarding the cus. Servadae raised bis watch to hie ear. "It is going," said he; "but, hy all the wines of Médoc, I am pussled. Don't you see the sun is in the weat? It must be near setting."
"Setting, esptain! Why, it is rising finely, like a conscript at the sound of the reveille. It is considerably higher since we have been talking."

**Remarkible as it releases we have been talking."

addersibly higher efines we have been talking."

Fexcedible as it might appear, the fact was undeminable that the sun was rising over the Shielli from that garacter of the horizon behind which it usually sank for the latter pertion of its deliy round. They were utterly bewildered. Some mysterium phenomenon must not only have altered the position of the sun in the aldereal system, but

terrius phenomiciated mint not duty have anterest the position of the sam in the alderest system, but must even have invegable aloue an amportant modification of the earth's robustion on the exist. Captain fleewadno consoled intracelf with the proposed or resulting an explanation of the maynetry in many contractions of the maynetry in the contraction of the maynetry of the results where the companion and turnout list attention to the last the contraction of the maynetry in the last the contraction of the many contraction of the many contractions of the contraction of the c

"Cente, let us he off," said he to his orderly; "though heaven and earth he topsy-turvy, I must be at my post this morning."

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an thought the tradester it is loose, or would be readed to the control of the co

erificat that the air had become less capable of transmitting round.

The weather, which so the grevious evening had hen very fogy, had entirely changed. The sixty had assumed a singular tint, and was soon covered with incovering closed that completely bit the wm. There were, indeed, all the signs of a coming sterm, had the vapor, on account of the inenfizient consisten-

tion, fadind to fail.

It sees appeared quite descrited, a most unusual forcumetance along this coast, and not a rail ner a trail of smoke briefs the gray monotory of wider and sky. The limits of the horizon, too, had become much circumseribed. On land, as well as on see, the remote distance had completely disappeared,

and it commed as though the globe had assumed a more desided convention, the very weaking, it was At the spec all which they were waiting, it was At the spec all which they are the attention to would not take from the convention to the statement would not be able to be accomplish the tree miles that by between the govern and the phase of reaterers. They did not extraing a work, but cook spectral to Bit up their beddes and give as it were, waiges to their test. If Ben Each to despressed his consistent is worth, he would have said that he of his to make the convention to the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the

As these thoughts were crossing his mind, a harsh bark was heard to the left of the footneth.

and a fackal was seen emerging from a large grove

resulficia usessimini, the beaut bolt up the positive at the foot of a rode, mere than thirty feet in beight. It behinmed to an African species offiterpathed by a Marke optical ski, and is Mark the property of the state of the state of the state when they some the country in briefs, the creatives are convented formidable, but study they are no more desperovas them a day. Though by a common to provide the country in briefs, the creace of the state of the state of the state of the piace among the finance of his believed Montmerter, when the state of the state of the state of the piace among the finance of his believed Montmerter, and the emplain, the animal detect of forward, and its one single hourd affected forward, and is

of lentisks. Regarding the two wayfarers with

"Good Heavens" oried Ben Zoof, "that beap rosat have been thirty feet at least." "True except," replied the captain; "I never saw such a jump," Meantings the includ had scated itself upon its Meantings the includ had scated itself upon its

Meanthine the jetchi Mad sented itself upon to hanches, and seat a string at the two mes with an hanches, and seat a string at the two mes with an Birn Zoofs forthermore, and stooping down be cought up a hore estene, when to his surgeine, be found that it was no bester than a piece of petriried repose. We have a superior of the seat and the second to the seat of the seat of the seat at his Wash ascendar for its being as light as their "to thought a second to the seat of the seat at the second to the seat of the seat of the table of the seat of the se

of bounds, which could only be littered to those that might be made by an indis-vettber knoprose. Her Zoof was sare that his own govers of propelling mast equal throus of a brevittee, for his stone, after ground fall five hundred poces the other side of the rock.

The order was now more ranks aloud of his through the control of the control of the constant of the control of the control of the about ten feet wide. With the intention of cleardated the control of the control of the con-

The orderly was now some yards ahead of his master, and had reached a ditth full of water, and about ten feet wide. With the intention of elements in the intention of elements in the made a spring, when a load ory hard from Servadoe. "Ren Zoof, you kilot! What are you about! You will head your bank!?" And well might be he alarmed, for Sen Zoof had

And well might be be alterned, for Hen Seed Bud syring to a height of forty feet flot to the sit. Period ful of the consociences that would attend the desferenced by the consociences that would attend the desferenced, to be on the other side of the digith in time to beach his fall. But the muscular effect that he made sarried him in all turn to as altitude of thirty feet; in his assort to passed like Zoof, who had already commenced his downward course, and then, obesident to the lower of prestitation, he descarded early consocience to the consocience of the concept which were only to the concept which were the con-

was conscious of an initial angoingty, write of the constraint is seried, he would have said that he constraint is seried, he would have said that he constraint to take so much as a creat of breed, a lapse of constraint to take so much as a creat of breed, a lapse of one who will be expert as self-interest to take a constraint of the constraint of the

either solves or mad."
"It is very certain that something has happened to us," and Ben Zoof. "I have occasionally dreamed

Zoof had clambered to the ten of a encelvative and from his lafty perch was surveying the country to the south, as well as towards both Tenes and Mostaranem. On descending he informed the sen-"We will make our way to the river, and get over into Meetaganem," said the contain

The Shellf was not more than a mile and a bulf from the meadow, but no time was to be lost if the two men were to reach the town before nightfall. Through still hidden by heavy should the sunwas evidently declining fast; and what was equally inexplicable. It was not following the oblique curve

that to these letteries and at this time of week might be expected, but was sinking perpendicularly As he want slong, Captain Servadae nondered deeply. Percharge some unheard of physomeron

had medified the rotary motion of the plobe; or perhaps the Alperian coast had been transported become the acustor into the southern benefithers Yet the earth, with the exception of the alteration in its convexity, in this part of Africa at least seemed to have undergone no change of any very erent importance. As far as the eye could reach the share was as it had over been a succession of

"Can't say, sir. I only know the sun is there; and at the rate he has been traveling, I would lay my cliffs, heach, and said rocks, timed with a red condo a dish of courcous that in less than three ferruginous hus. To the south-if south, in this inverted order of things, it might still he called-Hertor Servadae mute and motioniere, stood with folded arms. Presently he roused himself, and bethe face of the country also ameared unaffered, and run to look about again. "What recors all this?" some leagues away, the peaks of the Merdeyah he nurmured. "Laws of gravity disturbed! Points mountains still retained their accustomed outline.

of the correspon reversed! The length of day ye-Presently a rift in the clouds pave passage to an duced one half! Surely this will indefinitely reatoblique ray of light that clearly proved that the pope my meeting with the count. Screething has sun was setting in the cost. "Well. I am curious to know what they think of The orderly, meentime, surveyed his master with all this at Mostagemen," said the captain. "I wonthe greatest sampledly; no phenomenon, however der, too, what the Minister of War will say when extenordinary, would have drawn from him a single he receives a telegrom informing him that his Afri-

exclamation of surprise. "Do you see anyone. Hen can colory has become, not marally, but physically discreamized; that the cardinal points are at vari-"No one, sir: the count has swidently been and once with ordinary rules, and that the sun in the month of January is shining down vertically upon

our heads." Ben Zoof, whose ideas of discipline were extremsly rigid, at once suggested that the colony should be put under the surveillance of the selice.

that the cardinal points should be placed under restraint, and that the sun should he shot for breach

Meantime, they were both advancing with the sphere made the specific gravity of their bedies

Ren Zoof felt that he could have oversterned Mont-

martre at a single stride. The earth seemed as

"But supposing that to be the case," persisted the exptain, "my seconds would have waited, and not

seeing me, would have come on towards the peurhi. I can only conclude that they have been unable to get harn; and an for Count Timeschoff... Without finishing his sentence, Contain Servadae, thinking it just probable that the count, as on the ntmost speed. The decompression of the atmo-

previous evening, might come by water, walked to the ridge of rock that overhung the above, in order

fore: it must be neculiar to the coust of Alegria."

Severales was streetful; by full instinctions that

he was not dreaming, and yet was powerless to solve

the revotery. He was not however, the way to

used hystery. He was not, however, the man to

"Come what may," he recently exclaimed, "we will

of all, let us settle our little score with Court Time-

age carpeted the soil, whilst trees formed a charming framework to the whole. No snot could have

here shows more cultable for the meeting between

in sight. "We are the first on the field," he said,

"Not so sure of that, sir," sold Ren Zord.

Remoder cast a heaty places round. No one was

"What do you meen?" asked Servadae, looking

"Look up there, ele. I are much mistelsen if that

"Nonsemet" exclaimed Servadae, "How can the

at his watch, which he had not an nearly an mosalble

by the sum haders leaving the sought: "It is not

is not the sun;" and as Hen Zoof spoke, he pointed

directly overhead to where a faint white disc was

sun he in the resulth, in the month of January, in

happened; Ben Zoef and I carmot both be mad?"

Zoof?" noked the captain, at host,

slimby visible through the ham of clouds

Beyond the ditch lay a small piece of meadow land. shout an acre in extent. A seft and delicious barb-

Bight cartain" replied Ben Zoof: Sand Seat

at nothing!

nine o'lock yet."

to accertain if the Dobryna were anywhere in sight, But the rea was described, and for the first time the contain noticed that atthough the wind was sales. the waters were unnounly agitated, and seethed difficulty in holding her own in such a swell. An-

extraordinarily light, and they ran like haves and leaped like charmin. Leaving the devices windings of the footneth, they went as a erow would fly and formed as though they were building. It was serces the country. Hedges, trees, and streams very certain that the yacht would have found a were cleared at a bound, and under these conditions ather thing that now struck Servadae was the extraclastic as the spring-board of an acrobat; they scarcely touched it with their feet, and their only four was lest the height to which they were propelled would consume the time which they were saving by their short cut across the fields.

It was not long before their wild extract brought them to the right beats of the Shallf. Here they were compelled to steep, for not only had the bridge completely disappeared, but the river itself no soer actived. Of the left beat there was not the slightest trees, and the right hank, which on the slightest trees, and the right hank, which on the said morrower than the steep of the said of the air in morrower passed they along the fertile plans, at it morrower passed they along the fertile plans, that saw becomes the share of a turnellusor needs, its

previous evening had hounded the yellow stream, as it murrament peacefully length fertile join, had now become the short of a turnsitues soon, its active waters extending westwards far as the age and the short of the short of

Eager to throw some light upon the separary, Secondae burriedly made his way through the deander bushes that overhough the slove, took up some water in the bulbow of his hand, and carried it to so he had tasted it. "The sac has underbriedly considered up all the waters part of Alzeria." "It will not last long, sir," and Ben 2006. "It is, probably, only a sovere flood."

I fear, Ben Zeof," be replied with emotion. "It is a catastrophe that may have very serious consequences. What can have become of all my friends and fellow-officers!" Ben Zeof was eilent. Berely had be seen his master so much agitated; and though himself inclined

to receive these phenomena with philosophic indifference, his notions of military duty caused his countenance to reduct the captain's expression of amazement.

But there was little time for Servedac to examine the changes which a few board had wrecard.

ine the changes which is few bears had wrought. The sun had already reached the eastern borizon, and just as though it were crossing the cellptic under the tropics, it saak like a cannon hall into the sea. Without any warning, day gree place to night, and earth, sea, and sky were immediately wroughed.

CHAPTER VI THE CAPTAIN MAKES AN EXPLORATION

Historia Servica was not the man to remain lengunserved by any unterested event. It was part of his character to discover the why and the wherefore the world have from a common the server andicability from constrainting the dynamic from a constrainting the dynamic from a programme, it may will be insugained that he was auxious not to remain loser in ignorance of the coase of the nelectrons which has been so starts.

ling in their consequences.
"We must inquire into this to-merrow," he exclaimed, as darkness fell suideaby upon them. Then, after a newse, he sided: "That is to may, if there is to be a to-morrow; for if I were to be put to the terture, I could not tall what has beecens of the stalling I ask, sir, whet we are to do now!" put in Ben Zool, ask, sir, whet we are to do now!" put in "Eddy where we are for the present; and when daylight appetre—if it over does appear—we will receive the count to the west and south, and wetters

explore the coast to the west and south, and return to the growth. If we can find out nothing else, we must at least discover where we are." "Meanwhile, sir, may we get a sleep?" "Contract, if you like, and if you can."

"Certainly, if you like, and if you can."

Nothing leath to avail himself of his master's

Permission, Ben Zeef crouched down in an angle
of the share, threw his arms over his gree, and vary

con about the above of the insurement which is affer

of the share, three his arms over his eyes, and vary soon about the about of the ignorest, which is often sounder than the sleep of the fast.

Overwhelmed by the questions that crowded upen his brain, Captain Servades could only vanules up and down the shore. Again and again he asked himself what the existrativele could portend. Hed

the terms of Algiers, Orea, and Montagneen escupued the inministers? Could be bring himself to believe that all the inhalitants, his friesds, and commiss had perithed; or was it see more probaable that the Modificeration had moving invaded able that the Modificeration had moving invaded asymptotics all not in the basat explain the elemphysical disturbances. Another hypothesis that preceded itself to his mind was obtained to the count raight have been understyle transperted to the operatorial most. But allihough this might get were

is the absence of twilight, yet it would neither account for the sun setting in the east, nor for the
deficient of the day heigh reduced to six hears.
"We must wait till to-merow," he repeated; addlog, for he had become distructful of the future,
add "that is to say, if to-merow were comes."

Although not very learned in autrocomy. Serva-

die was acquainted with the position of the principal enterthitons. It was therefore a considerable aliappointment to him that, in consequence of the heavy clouds, not a star was visible in the firms must. To have ascertained that the pole-star had become displaced would have been an undentable proof that the earth was resolving on a new acts;

but not a rift appeared in the lowering checks, which seemed to threaten increases of rain. It happened that the mosen was now on that very day; naturally, therefore, it would have not at the anne time as the sun. What, then, was the captain's howldstream when, after he had been walking for about an hour and a half, he notified on the

western horizon a strong glare that penetrated even the masses of the clouds.
"The mecon in the west?" he cried alond; hut sufdenly hetchicking himself, he added: "But no, that exmont he the moon; unless she has shifted very

cannot be the moon; unless she has shifted very much nearer the earth, she could never give a light as intense as this."

As he spoke the series of vapor was illuminated to such a degree that "the whole country was as if

were, halded in tellight. "What can this be?" solliopaised the explain. "It cannot be the sun, for the sun set in the east only an hour and a half ago. Would that those clouds would disclose what sornous breminary lies behind them! What a feel I was not to have beare more astronously Perhaps.

after all, I am making my brain over something that is quite in the ordinary course of nature." But, reason as he might, the mysterion of the hearnes still remained improvimble. For about an bose once leadings their, he also ordently of giganite disconsection, the temporal may be be granted disconsection, the temporal may be be the still of the still o

game dimensions, and its rays upon the upper strate of the clouds; then, marvelous to relate, instead of obeying the cedinary laws of celestial mechanism, and descending upon the opposite horizee, it seemed to retreat farther off, grew dimmer, and vanished.

The durkness that returned to the face of the

The duraness that reterred to the face of the earth was not more perforant than the gloom which full upon the captain's soul. Everything was incomprehensible. The singulest mechanical raise recens flabilite; the planets had daried the laws of gravitation, the motions of the celestical spheres were erronesses as those of a watch with a defective

and weak sever again also his radiance upon the man weak sever again also his radiance upon the But those lost fears were groundless. In three heart' time, without say intervening twillight, the morning aus made its appearance in the west, and day once more had deemed. On consulting his watch, Servados found that night had losted greelent six hours. But Soof, who was unaccumber clearly six hours. But Soof, who was unaccumber.

to so brief a period of repose, was still alumbering somely.
"Yours, wake un!" said Servader, shaking him he

"Come, wake up!" said Servedae, shaking him by the shoulder; "it is time to start."
"Time to start!" exclaimed Ben Zoof, rubbing his eyes. "I feel as if I had only just game to sleep."

"You have stept all night, at any rate," regiled the captain; "it has only been for aix hours, but you must make it enough."
"Strough it shall be, sir," was the submissive

rejoinder.
"And now," continued Servadae, "we will take
the shortest way hack to the courbi, and see what

our horses think about it all."
"They will think that they eight to be groused,"
said the orderly.

"Yerr good; you may groom them and andful them as quickly as you like. I want to know what has become of the rest of Algaria; if we cannot get round by the south to Mostagamers, we must recentually to from." And forthwith they started. Beginning to feel hungry, they had no heattails in gathering flag, tistes, and oranges from the plan-

Beginning to feel hungry, they had no hesitation in gathering figs, dates, and oranges from the phastations that formed a continuous risk and luxuriant orchard along their path. The district was quite deserted, and they had no reason to fear any legal penalty.

In an hour and a half they reached the morth,

In an hour and a feet they reached the poorts. Everything was just as they had left it, and it was evident that no one had visited the pince during their absence. All was descists as the above they had suitted.

The preparations for the expedition were brist rest strays. Hen Zoof saddind the browns out fifthe for peach with bloom and the browns of the contraction of the contraction of the browns of the extraction affarests of the Shallit, which, although they had gove become trituations of the Mediticsgrouns, still maximized through the plain. Captain Servake monoton his horse Zophy, and Ben Zoof simplicationally of the contraction of the constance of the contraction. The realized of a facts the mild of Meminature, There and not of

ther heres as it had had upon themselves. Their massaliest streamth somed free times as great as hitherto; their heafs sarendy taushed the ground, and they sensued transformed from ordinary quickqued; into verifiable hippograffis. Happin, forestered to the streamth of the streamth of the neattern to such their steeds, but over urged there to still greater courtions. Twenty microtic sufficed to carry them over the four or few suites that intervened between the goards and the mosts of the Shell's them, stateducing their people, they proceeded

in discouring that the domination in the present

of the atmosphere had revetuely the same effect meen

what had each been like right bank of the river, by which, although it will retained its former characteristics, was my the brandary of a sae, which extending further than the finith of the borrien, which was waitled up at least a large portion of road have waitledway up at least a large portion of road have waitledway up at least a large portion of country well, he had at Captain Servade, know the country well, he had at Captain Servade, know the a representation survey of the district, and countquarity had no neutrals knowledge of its typeresulty. His life now was to down on a record.

graphy. His idea now was to draw up a report of the investigations to whom that report aloudd be delivered was a problem he had yet to solve. During the four bours of daylight that still remained, the travelers rode about twenty-use miles from the river menth. To their was surprise, they did not meet a single human being. At nightfull they again concerned in a dishift bond of the shore.

and a good executed in a sugar term of it is more, at a goint which on the previous evening had faced the assemble of the Mina, one of the left-hand affluents of the Shelf, but now absorbed into the newly revealed ocean. Ben Zorf made the sleeping accommodation as comfertable as the circumstances would allow; the hourse were bubbled and turned out to

allow; the herass were hubbled and turned out to feed upon the rich peature that clothed the above, and the night passed without special incident. At surries on the following moveling, the 2nd of Answery, or what, according to the ordinary calen-

this would be every remembed their bream, and this and his every remembed their bream, and of forty-two miles. The right hank of the river still continued to be the margin of the land, and only in our spot had fit integrity been impaired. This was about twelve miles from the Miles, and on the side of the canage or subard of Surkomittee. Here a large portion of the hash had been nearly away, and the handle, with its sight handled intermediate where the surface of the contraction of the surface of the surface of the contraction of the surface of the surface of the contraction of the surface of the surface of the contraction of the surface of the surface of the contraction of the surface of the surfac

d. that probable that a similar fast had overtaken the starper towns beyond the Hellf.

If the evening the explorers measured, as previously, in a nosk of the shore which bees abregably the explorer terminated their new deemin, not far from where the minimal have expended to find the important viilled lags of Minnounturroy; but of this, teo, there was trow no troe. "I had quifter recknord upon a support

f. they might have expected to find the important village of Microanturroy; but of this, tee, there was a now no truce. "I had quite recknood upon a supper and a bed at Orleanwille te-sight," said Seradae, as, full of desperdency, he surrayed the waste of water.
"Quite impossible," realied Ben Zoof, "expert you."

"Quite impassible," replied Ben Zoof, "except you had gone by a boat. But cheer up, sir, cheer up; we will soon device some means for getting across in Mostneamers."

for an I have! manipul the contain. Here are on a retringula, we are more likely to get to Tenen; there are shall bear the news " "Pan were Welly to ensure the name acceptance

answered Ben Zoof, as he threw himself down for

Nix hours later, only waiting for suprise, Captain Sarvadae sat homaelf in measured again to recent his investigations. At this mot the above, that tion turned about by to the north being as langue formed by the natural baris of the Shelif, but conwillie, which quarks to have been about air miles to the nonthwest; and Hen Zoof, who had recented the

sea, and nothing but see, to the farthest hectron. Quitties their encomment and riding on the heatildened evolution kept close to the new above. Thus, saree it had seesed to be feemed by the original river hank, had considerably altered its arrest. deep chasms rifted the ground; great gaps furrowed water, remarkable by the funtastic distortions of

their quaried trunks, looking as though they had The elementies of the count line, alternately gully and headland, had the effect of making a devices progress for the travelers, and at susset, although they had accomplished more than twenty miles. they had only less arrived at the fact of the Merdevah Mountains, which, before the cataciyam, had formed the extremity of the chain of the Little Atlas The sides however had been vislently your tored, and new yors perpendicularly from the water

On the following morning Servadae and Ben Zoof traversed one of the mountain correct and next, in order to mole a more thorough acquaintance with the limits and condition of the section of Alegrian territory of which they seemed to be left as the sole to the summit of one of the highest peaks. From thus elevation they assertained that from the base of the Merderah to the Mediterranean, a distance of about eighteen males, a new coast line had come tete excelence; no land was visible in any direction; no inflamme existed to form a cornecting link with the territory of Tenes, which had entirely disappeared. The result was that Captain Servidae was driver to the irresistible conclusion that the

Strictly generally specking, this island was quadsides exhibiting these propertiens: The section of muthern boundary from the Shelif to the shale of the Little Atlas, twenty-one miles; from the Little Atlan to the Mediterranean, eighteen miles; and sixty miles of the above of the Moliterranean Stelf.

"What does it all mean?" explained the contain. every hour growing more and more bewildered. "The will of recyldence, and we must submit."

replied Ben Soof calm and andustrated With this reflection, the two men silently descended the meuritain and remembed their herses. Before exeroad they failed to discern a westire of the little team of Mantenatta: like Tenes of which not an much as a runted outtage was visible on the herizon. On the following day, the 6th of Income the

two men made a freezed march along the count of than the captain had at first summed; but four williams but entirely disappeared, and the headlands, unable to realet the sheek of the committees. had been detached from the marriand.

The circuit of the island had been now completed, and the ecclorery, after a period of sixty hours. their goarbi. Five days, or what, according to the established order of things, would have been two days and a half, had been occupied in tracing the boundaries of their new domain; and they had ancontained beyond a doubt that they were the role

human inhabitants left upon the Island, "Well sir here you are Governor General of Alegras!" excluimed Ben Zoof, as they reached the

"With not a soul to convey " alcomity relained the cardain.

"How so? Do you not recken me!" "Paluw! Ben Zoof, what are you!" "What am I? Why. I am the population." The cortain deigned no reply, but, muttering

some excessions of recret for the fruitless trouble he had taken about his much belook himself to

CHAPTER VII In a few mirrates the governor general and his

population were aslesp. The gourté being la raina, they were obliged to put up with the best accourage must be owned that the captain's alumbers were by no means sound: he was aritated by the consciousness that he had hitherto been unable to account for his strange experiences by any reasonable theory. Though far from being advanced in the knowledge of natural philosophy, he had been instructed to a certain degree, in its elementary principles; and, by an effort of memory, be marared to recall scope general laws which he had alment formetten. He could understand that an alas he had at first imagined, a peninsula; it was tered inclination of the earth's axis with regard in the cardinal points, and bring about a displacement of the acc; but the hypothesis entirely failed or for the diminution in the pressure of the atmos-

phere. He felt that his judgment was utterly buffled; his only remaining hope was that the chain thing farther might throw some light upon the Ren Zood's first cure on the following morning was to provide a good breakfast. To use his own

phrase, he was as hungry as the whole population of three million Aleerians, of whom he was the representative, and he must have enough to est. The catastrophe which had everwhelmed the country had left a dozen eggs uninjured, and upon these, with a good dish of his famous couscous, he hoped that he and his master might have a sufficiently substantial meal. The stove was ready for use, the

OFF ON A COMET

corpor skillet was as bright as hands could make face of a large stone alcarrana gave evidence that it was summiled with water. Hen Zood at once lighted a fire, singing all the time, according to his wont, a snatch of an old military refrain. Ever on the looknut for fresh phenomena. Camtain Servadae watched the preparations with a curi-

ous eye. It struck him that perhans the air, in its strangely modified condition, would fail to soroly sufficient exverse, and that the stove in consequence might not fulfill its function. But no: the fire was highted just as usual, and fanned into view by Ben Zoof ambring his mouth in lieu of hellows, and a and coal. The skillet was duly set upon the stove, and Ben Zoof was prepared to wait awhile for the water to heel. Taking up the eggs, he was surprised to notice that they hardly weighed more than they more surprised when he saw that hefore the water

had been two minutes over the fire it was at full "By Engo!" he exclaimed, "a precious hot fire!" Servadue reflected. "It cannot be that the fire is hotter," he said, "the peculiarity must be in the water." And taking down a centistrade theresemoter, which have upon the wall, he plunged it into the skillet. Instead of 160°, the instrument registered

"Take my advice, Ben Zoof," he said, "kave your egys in the assessan a good quarter of an hour." "Boil them hard! That will never do," objected the orderiz. "You will not find them hard, my good fellow,

Trust me, we shall be able to dip our sippets into the voles easily enough," The captain was quite right in his conjecture, that this new phenomenon was caused by a diminution in the pressure of the atmosphere. Water boiling at a termerature of 68° was itself an exidence that the ocean of air above the earth's surface had

been reduced by one-third of its quantity. The identical phenomenon would have occurred at the summit of a mountain 35,000 feet high; and had Servadae been in possession of a harometer, he would have immediately discovered the fact that only new for the first time, as the result of experiment, revealed itself to him-a fact, moreover, which accounted for the effect upon the bloodvessels which both he and Ben Zoof had experienced. so well as for the attenuation of their points and

their appolerated breathing. "And yet," he agreed with himself, "if our encomposent has been prosea remains at its proper level?" Once again Hector Servadac, though capable of tracing connequences, felt himself totally at a loss

to comprehend their cause; house his agitation and After their prologged immention in the holling water, the eggs were found to be only just sufficiently cooked; the counceus was very much in the being his ardinary way of opening conversation. "Well, Ben Zoof?" was the captain's invariable "We can only for the present wait patiently where we are. We are encamped upon an island, and therefore we can only be rescued by sea." "But do you approve that any of our friends are "Oh, I think we must include the hope that this

some condition; and Ben Zoof came to the conclu-

soon that in future he must be careful to commence

his culmary operations an hour earlier. He was

rejoiced at last to belp his master, who, in spite of

his perplayed preoccupation, seemed to have a very

remorase to his servent's formula.

"What are we to do now sir?"

"Well, captain?" said Ben Zoof presently, such

cottestronbe has not extended far. We must trust that it has limited its mischief to some small portion of the Alecrian coast, and that our friends are all allow and well. No doubt the covernor general will be anxious to investigate the full extent of the damage, and will send a vessel from Algiers to

explore. It is not likely that we shall be faroutten. What you have to do then, Ben Zoof, is to keep a sharp lookout, and to be ready, in case a vessel should appear, to make signals at once." "But if no vessel should supear?" sighed the orderly. "Then we exact build a boot, and go in search

of those who do not come in search of us." "Very easyl. But what sort of a sailer are must "Everyone can be a caller when he must," said Servadao calmiy Hen Zoof said no more. For several succeeding days he scanned the borison unintermittently with his telescope. His watching was in vain. No ship

appeared upon the desert sea, "By the name of a Kahrie!" he broke out impatiently, "his Excellence is greealy neglige di" Although the days and nights had become reduced from twenty-four hours to twelve, Captain Serva-che would not accept the new condition of things. but resolved to adhere to the computations of the old calendar. Notwithstanding, therefore, that the sun had ricen and set twelve times since the commemoranest of the new year, he nersisted in celling

the following day the 62h of January. His watch enabled him to keep an accurate account of the In the course of his life, Ben Zoof had read a few books. After rondering one day, he said: "It seems to me, captain, that you have turned into Bobinson Crusoe, and that I am your man Friday. I hone

I have not become a negro." "No," realied the captain. "Your complexion for't the fairest in the world, but you are not black vet.

"Well, I had much sooner be a white Friday than a black one," rejoined Bun Zoof. Still no ship appeared; and Captein Servadae.

after the example of all previous Crusoes, began to consider it advisable to investigate the resources of his domain. The new territory of which he had become the monarch he named Gourbi Island. It

had a superficial area of about nice hundred senare miles. Bullocks, cows, goats, and sheep existed in considerable numbers; and as there seemed already to be an abundance of game, it was hardly likely

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that a feature supply would fall them. The certifities of the cercules was such as to promise a fine ingathering of wheel, make, and rice; so that for the governor and his population, with their two hereas not only was there ample provision, but even if other human inhabituaris besides themselves should see he discovered, there was not the remotest prosecular to the contract of t

16

procedent

peed of any of them peedship by starvation. From the 6th is the 13th of January the rain come down is threship, all, what was quite an come down in threship, all, what was quite an other start of the start of the

vapor interposed between the sky and the island,

the trradiation which would have illumined all ter-

restrict chierta would have been vivid beyond all

But weither sun, most, nor star ever appeared:

anable to identify any one spirit of the firmments was been seen assume that the most of the described. On one occasion Ban Eod condeaved to militate his the resignation, sown if he did not death the militate his addition was received with no angary robust that deather was received with no angary robust that shortest and the second of t

helebt that seemed to defy calculation. Never, even

consistent phenomena have been dereleped with more imprective intensity. In the transposition, and the byte right of the sixed deeppoint of proceed to the contract of the sixed deeppoint for warms of contact and if he apply and Servardae, who for the last aix days had confined broaded to the abstract to the sixed to the contract broaded to the abstract upon the cill. Now, be thought, there might be a chosen of solving his perspictive perhaps now the action of solving his perspictive perhaps now the transposition of the contract of the contract of the transposition of the contract of the contract of the reveal thought as a principle of the contract of the contract tently of observing the contractions in a clear

fremenent above.
The night was magnificent. Not a cloud dimmod
the laster of the stars, which praughed the beavens
in ourspassing brilliners, and saveral solvine which
hitherto so natroumer had been also to discounwithout the aid of a telecopy were clearly visible
By a natural impoles, Servalar's first thought
was to cheart the notifien of the refectors. It was

that the axis of the earth indefinitely revioused neath ever pass. In its impression by revioused therecastly confirmed when, as hour later, as the itself that the size and approached still leaver the horizon, as though it had belonged to one of the suchased constallation. The pole-star being manifestly than displaced, it remained to be discovered whether any other of the collection of the constallation in the constallation in the size of the collection of t

in night, but so near to the herizon as to surposet

the utter impossibility of its bring any longer the

central pivot of the aidereal system; it occupied

a position through which it was out of the question

celestial bolies had become a front center avanawish the constitutions under their approach displaywish the constitution of the constitution of the value applies the constitution of the constitution of the linear. After paired constitution were assured as linear. After paired constitution were assured as linear. That the required constitution were assured larger, a ster which, ascerding to the presention of Lyra, a ster which, ascerding to the presention of Linear paired and the constitution of the constitution larger, a ster which, ascerding to the presentation of Linear ways and the constitution of the constitution of Linear ways and the constitution of the constitution of Linear paired that the central units of the content of the collision that the earthy main had been confident and immediate and the constitution of the collision of the constitution of the collision of

point as Illu removed above the herizon, he deficied the inference that the Mediterranses must have been transported to the equator. Lost in brevilleting mass of thought, he guest long and intently spon the heavers. His eyes wandered from where the fail of the Great Rear, mos additional extendilation, was accurely visible above a substantial extendilation, was accurely visible above substances the substance of the substances where the substance of the substance of the Ben Eost resulted him to humeld.

fored at once again beholding what the poet has called: "The kind companion of terrestrial night;"

in the sound see af evastion, where, make the indisance of internal hash, the solver rose in Negara to present population for a first the work of the consistency o

satellite at all, but some planet with its appearant magnitude greatly enlarged by its apprecimation to the earth. Toking up the powerful field-plane which he was accustomed to use in his surveying operations, he proceeded to investigate more earrfully the brainloss seek. But he failed to trace up of the illustrations seek. But he failed to trace up of the illustrations seek. But he failed to trace up of the illustrations are being the process of the focus plant with the linear tractor; its filled to focus that most the linear tractor; its filled to the make out the surveyed of light which emerates from what surveyed are considered from the form of the surveyed of the property of the propert

Tythe. "It is not the moon," he said slowly.

"Not the moon?" cried Ben Zoof. "Why not?"

"It is not the moon," again siftmed the exptain.

"Why not?" repeated Ben Zoof, unwilling to renearone he first impression.

"Reason there is a small satellite in attendance," have been been in the heart of equatorial Africa, And the equain drew his corrupt's attention to to which Box Zoof replied, with the unsoult dignity, a height speek, apparently about the size of one of that he was born at Montaurite, which was all the

sope, that was clearly visible just within the four of his glass.

Here, then, was a fresh snystery. The orbit of this planet was sournelly interior to the orbit of the earth, because it accompanied the sum in the apparent metion; yet it was neither Mercary nor Venus, because notice on an or the other of these them to be a summary of the control of

Venus, because neither one ner the other of these has any astillite at all.

The captain stamped and stamped again with mingled vexation, agitation, and bewilderment. "Confound it!" he eried, "If this is neither Venus ner Mercary, it must be the meon; but if it is the most, whence, in the nunc of all the goods, has also

picked up another most for herself?" The captain was in dire perplexity.

CHAPTER VIII
VENUE IN PERSONNET
THE Sight of the returning nun room extinguished

the girty of the stars, and randored it necessary for the captain to prospire the inderestation. He had sought in value for further trace of the large distant had no excellent his worder on the first and it necessed must probable that, in its irregaint orbit, it had been carried beyond the range of vision. The weather was still supperb. The whol, after vering to the week, had such to a perfect calm, which makes the still supperb. The whol, after vering to the week, had such to a perfect calm, which the still regarded the still the still the whole the still regarded the still the still the which were still flowford large regarded to still under the still flowford large regions of precisions.

six hours each—a sure proof that the sun remained close to the new equator which manifestly passed through Gourhi Island.

Meanwhile the temperature was steadily increasing. The captain kept his thermometers close at head when he could remained the captain.

ing. The captain kept his thermometers close at hand where he could repeatedly consult it, and on the 15th he found that it registered 50° centigrade in the shade.

No attempt had been made to reducif the pourble, but the captain and Ben Zoof measured to make up quartest sufficiently confertable in the principal spariment of the adjoining strature, where the stone walls, that at first afforded a refuge from the tocreate of rain, now formed an equally acceptable abotter from the burning sun. The hast was beening insiderable, suppossing the hant of descending insiderable, suppossing the hant of debening insiderable, suppossing the hant of depending the supposition of the same rays; and union some modification engos, it is owned inswitched to some modification engos, it is owned inswitched to

some modification enused, it seemed inevitable that all vegntation should become soreched and burnt off from the face of the laiand.

In spite, bowever, of the profuse perspirations from which be suffered, Ben Zoof, constant to his

from which he suffered, Bern Zoof, constant to his principles, expressed on surprise at the unwoulded but. No retreastrances from his master could intaken him to shooth his watch from the cell. To misce him to shooth his watch from the cell. To would need to require a chull of braze and a brain of admant; huy st, hour after here, he would remain conscientiously seaming the surface of the Meliterances, which cain said deserted, by our stretched before him. On one consolars, formulae, anneal, happened to remark that he thought he must

if by majet, and for a while a rule und insurant paraturage (colded by mandows (minmer and paraturage) (colded by majethes) (colded by majethes) and the paraturage (c

that, even in the matter of heat, the tropics could be any way surpass his own much leved home.

to take effect upon the products of the soil. The

san rose rapidly in the trees, so that in the course

of a few days buds, leaves, flowers, and fruit had

come to full maturity. It was the same with the

cereals; wheat and make sprouted and ripened as

This unprecedented temperature very soon began

rassment. The time for the corn and fruit harvest had fallen simultaneously with that of the hay make ing; and so the extreme heat precluded any prolonged exertions, it was evident "the perulation" of the island would find it difficult to provide the necessary amount of labor. Not that the prospect murbi were still far from exhausted, and now that the roughness of the weather had so happily subsided, they had every encouragement to home that a ship of some port would soon amount. Not only was that part of the Mediterranean systematically fraugented by the covernment steamers that watched the coast, but vessels of all nations were constantly cruising off the shore. In spite, however, of all their sanguine speculations, no ship appeared. Ben Zoof admitted the

necessity of entemporting a kind of parson for himself, otherwise he must literally have been reased to death upon the exposed summit of the diff.

Maxwhile, Servadae was doing his utmost—it must be acknowledged, with indifferent success must be acknowledged, with indifferent success plumps into the wilbest speculations in his endewares to unrowed the difficulties of the new situation, and

Best, ourse to the certh had thus suddenly approached rewere to the sun. The diameter of the solar disc rewer to the sun. The diameter of the solar disc the native specific property of the n

thus been destroyed, and abould this diminution of distance still continue, would there not be reason to fear that the increatini world would be carried onwards to actual contact with the sun, which must result in its total annihilation? The continuance of the splendid weather afforded Serradae every facility for observing the beavers.

Night after sight, containations in their beauty by nitrichal before in ego-ma sighthet which, to the hear swiftendow, not its are his rang, he was under the same time of the same time the same time to a sight after the same time to the same time to time with regard to such other, he could observe an experimental state of the same time to the same rate of more than 150,000,000 miles a year, and although Actions it traveling through years at the rate of more than 150,000,000 miles a year, and although Actions it traveling through years at the than the earth pres round the sum—yet such is the than the earth pres round the sum—yet such is the

taught him nothing.

Far observate was 20 with the planets. The orbits of Venns and Neurora are widthen the orbit of the orbit of the orbit of the contrast of Venns and Neurora are widthen to orbit of the orbit of the orbits of the o

That mendions have while—as Prosphere or Legistre, Resperse or Vesper, the evening star, be merring star, or the shapshown star—has zero Legistre, Resperse or the shapshown star—has zero tender of the shapshown star indifferent charges, but never shapshown star indifferent charges, but never shapshown star beams were refracted that regions of its star of the star in the shapshown star beams were refracted that regions of its star of which the shapshown star beams were refracted that regions of its star owner, and the shapshown star is shaped to be shaped to

the earth.

"And a very safe distance, too," said Ben Zoof,
when his master told him the conclusion at which
he had arrived.

"All very well for two armies, but for a couple
of rislates not quitie so ackn perhan, as you may

imagine. It is my impression that it is more than likely we may run foul of Venus," said the captain. "Plenty of air and water there, sir " inquired the orderly.

"Yes; as far as I can tell, plenty," replied Serwadse.
"Then why shouldn't we go and visit Venus?"
Servede did his best to sendsin that at the two planets were of about equal volume, and were traveling with great velocity in eppealte directions, any collision between them must be attended with the most dissectives eccesquences to one or both of them. But Ban Zeef failed to see that, even at the weest, the exhautephe could be much more serious than the collision of two railway trains.

The cuptum become compensed. "Ten inite!" he approximately compared to approximately compensed to the approximately compensed to the particle of the compensed to the particle of the compensed to the particle of the compensed to the compensed to

contracted mascles; then, in a voice of real concern, he inquired whether anything could be done to avert the columity.

"Nothing whatever; so you may go about your own business." was the cantain's brussies reisinder.

own business," was the capitalt's brusque rejoinder.
All discomfitted and herelibered, Ben Zoof retired
without a word.
During the ensuing days the distance between
the two phasels continued to decrease, and it beease more and more obvious that the earth, or her
may cribit, was about the gross the orbit of Versus.

Throughout, this time the earth had been making a perceptible approach towards Mercury, and that planed—which is re-nely viable in the raiked error and the maked error and the expectation of the error and the error and

most studious regard. But no danger was to be supposeded from Mercurr; with Venus only did collision appear immirent. By the 18th of January the distance between that planet and the earth had become reduced to between two and three millions of miles, and the intensity of its light cast heavy shadows from all terrestrial objects. It might be observed to turn upon its own axis in twenty-three bours twenty-one minutes on evidence, from the maltered duration of its days, that the planet had not shared in the disturbance. On its disc the clouds formed from its atmospheric vapor were plainly perceptible, as also were the seven spets, which, scronling to Bixnchirl are a chain of near. It was now visible in broad daylight. Bonsparte, when under the Directory, once had his attention called to Venus at noon. and immediately bailed it invitally recognizing it as his own peculiar star in the ascendent. Captain Servadae, it may well be imagined, did not experi-

cere the same gratifying emotion.

On the 20th, the distance between the two bodies and again sensibly diminished. The captain had counted to be straprised that no vessel had been sent to rescue himself and this companion from their strange imprisonment; the governor general and the minister of war wrate doubtless far differentially

Siene.

shorners. The yacht was evidently making her way

western extremity of the island, where they both

Whilst exemising the rocky sheet, the centain observed, to his great surprise, long and well-fefined rows of seaweed, which undophtedly hetokened

INQUIRES UNSATSFIED Fast as his less could corry him. Sevendoe had made his way to the top of the cliff. It was quite true that a years! was in sight, hardly more than in the earth's convexity, and the consequent limitation of the range of vision, the rigging of the tonmasts alone was visible shove the water. This was spough, however, to indicate that the ship was a schooner-en impression that was confirmed when, two hours later, she came entirely in sight.

a philosopher, Ben Zoof ?" he saled Tare a soldier, sir " was the arrest"s prompt reteinder, "and I have learnt to know that 'what can't he cured must be endared." The captain made no reply, but for a time, at least, he desisted from puzzling himself over metters which he fall he was utterly incommetent to

exclain. But an event soon afterwards occurred About nine o'clock on the morning of the 27th, Ben Zoof walked deliberately into his meeter's spartment, and, in reply to a question as to what he wanted, arresurced with the utmost composure that a ship was in sight.

"A shin!" cookimed Servades, starting to his feet. "A ship! Ben Zoof, you deckey! you speak as unconcernedly so though you were telling me that "Are we not philosophers, captain?" said the

But the captain was out of hearing CHAPTER IX

Very likely: but what of that?"

ing in the Observatory who could explain all this?" "Let we be philosophers, and welt potiently until Sarrandae amilied. "The west brown what it is to he

we can beer their explanation."

to mann or satellite such as Cassini, Short, Mantalens of Limours, Montharron, and some other astrommers have imagined to exist. "Had there astrommers have imagined to exist. "Had there been such a satellite," said Servadec, "we might have contured it in passing. But what can be the meening," he added seriously, "of all this displace-"What is that great building at Paris, carbain, with a top like a cap?" asked Ben Zoof. "Do was mean the Observatory?" "Yes the Observatory Are there not marele lies

tuned to be real and. Graduelly the distance between the two planets bream to increase; the planes of their orbits did not councide, and accordingly the dreaded catastrophe did not groupe. By the 95th. Venus was sufficiently remote to preclude any further fear of callision. Ben Zoof gave a sigh of reliaf when the captain communicated the glad intellicomes Their proximity to Venus had been close enough to demonstrate that beyond a doubt that planet has

west he feeling to the churches! The end of the world approaching! the great climax close at hand! Two days more, and the corth, shivered into a resorted atoms would be lest in broadless space? These dire forebodings, however, were not des-

"Impossible sirl" relained Ben Zoof; "there are no nigns of smoles "The Belrous," repeated the cantain, nesitively.

one unmoved at his taleacore

"The Dobryou!" excluimed Servadas, keening bla-"The Decryns," repeated the captain, positively.
"She is under sail; but she is Count Timescheff's He was right. If the count were on hoard, a

stronge fatality was bringing him to the presence of his rival. But no longer now could Servedac reard him in the light of an adversary; electricstances had changed and all animosity was ab-

serbed in the eagerness with which he hailed the prospect of obtaining some information about the recent startling and irexplicable events. During the twenty-seven days that she had been shorn, the Debryos, he conjectured, would have explored the

Mediterroness, would vary probably have visited Sonin. Praces, or Italy, and accordingly would conver to Gourbi Island some intelligence from one or other of those countries. He reckened, therefore, not only man exceptibility the extent of the late

catastrophs, but uses learning its couse. Coust

Timeschoff was no doubt magnetimously coming to the rescue of himself and his orderly. The wind being adverse the Dobrons did not woke your ranid amorrow; had so the monther in

spite of a few clouds, remained colm, and the sea was quite emach, she was eachied to bold a steady course. It seemed unaccountable that she should

not use her envire, as whoever was on beard, would he naturally importent to reconnecter the new island, which must just have come within their The probability that engageted itself was

that the schooner's fuel was exhausted. Serundae took it for granted that the Debrava ever, that the count, on discovering an island where he had expected to find the mainland of Africa. would not validally be at a loss for a place of an-

in the direction of the former mouth of the Shelif. and the captain was struck with the idea that he would do well to investigate whether there was any nultable harbor towards which he might signal her. Zenbyr and Gallette were soon saddled, and in twenty missutes had carried their riders to the

dismounted and began to explore the coast. They were not long in ascertaining that on the forther side of the point there was a small wellsheltered creek of sufficient depth to recommedate a vessel of moderate tennary. A narrow channel

formed a necessary through the ridge of rocks that protected it from the open see, and which, even in the roughest weather, would ensure the calments of its waters.

that there had been a very considerable ehh and flow of the waters-a thing unknown in the Mediterranean, where there is arresty any percentilds tide. What, however, seemed most remarkable, was the manifest evidence that over since the highest

flood (which was caused, in all probability, hr the proximity of the body of which the hore disc had been so constrictions on the night of the 31st of December) the obenomenou had been gradually lesson-

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20 ing, and in fact was now reduced to the normal the crest of an enormous wave, and carried to a limits which had characterized it before the conheight which it is beyond my power to estimate. Some mysterious force stemed to have brought

Without doing more than note the circumstance. Servadae turned his entire attention to the Dobrysa, which, now little more than a mile from shore, could not fail to see and understand his signals. Slightly changing ber course, she first lowered her mainsail, and, in order to facilitate the movements of her belingman, seen carried nothing but her two

topouls, brigantine and jib. After rounding the Servadae by his restures was rejeting her, and was not long in entering the creek. As soon as the sucher, imbedded in the easily bottom, had made good ite holf, a boat was lowered. In a few minutes more Count Timascheff had landed on the island. Captain Servades bastened towards him. First of all, count," he exclaimed impetuouely,

before we speak one other word, tell me what has harmened." The count, whose importurbable composura presented a singular contrast to the French officer's enthusiastic vivucity, made a stiff bow, and in his Russian accent replied: "First of all, permit me to express my sururies at seeing you here. I left you on a continent and here I have the honor of finding

you on an island," "I amore you, count. I have never left the place." "I am quite aware of it, Captain Servadae, and I now beg to offer you my eincore ancionies for falling to keep my appointment with you."
"Never mind, now," interposed the ouptain; "we will talk of that by-and-by. First, tell me what has

happened." "The very question I was about to put to you. Captain Servadae." "Do you mean to say you know nothing of the catastrophe which has transformed this part of

Africa into an island !" "Nothing more than you know yourself." "But surely, Count Timsacheff, you can inform me whether upon the northern above of the Mediterraneon-"Are you certain that this is the Mediterranean

asked the count significantly, and added, "I have The captain stared in silent bewilderment. For some moments he seemed perfectly stupeded; then, recovering himself, he began to overwhelm the ever since the lat of January, that the sun had recen in the west? Had be noticed that the days had been only six bours lone, and that the weight of the atmosphere was an reach dissinished? Had he also served that the moon had quite disappeared, and that the earth had been in learningert basard of your ning foul of the planet Verus? Was be awere, in short, that the entire motions of the terrestrial mbers had undersome a complete medification? To all these inquiries, the count responded in the affirmative. He was acquainted with everything that had transpired; but, to Servadae's increasing astonish-

count accusinted with all he knew about his small donals. They made an entire circuit of the island. and both agreed that it must be beyond the limits of that circumscribed territory that they must seek It was on the last day of January that the repairs of the scheener were convicted. A elight divinution in the excessively high temperature which had prevailed for the last few weeks, was the only apnarrost change in the general order of things: but whether this was to be attributed to say alteration

ment, he could throw no light men the cause of any of the phenomena, "On the night of the 31st of December," be said, "I was proceeding by see to our appointed place driay the departure of the Dalerens. of meeting, when my yacht was suddenly caught on Doubts now arose, and some discussion followed,

cupled the center of the vast cyclone, and consequently did not experience much change of posi-He paused, and added: "Your island is the first land we have seen." "Then let ue put out to sea at once and ascertain the extent of the disaster," cried the captala earerly. "You will take me on beard, count, will you not?" "My warht is at your cervice, sir, even should you require to make a tour round the world."

about a convulsion of the elements. Our coefue

was damaged, nay disabled, and we drifted entirely

at the mercy of the terrible burriesne that raced

during the succeeding days. That the Dobrone encaped at all is little less than a miracle, and I can

only attribute her safety to the fact that she oc-

"A tour round the Mediterranean will suffice for the present, I think," said the cantain, smiling, The court shook his bead. "I am not sure," said he, "but what the tour of the Mediterranean will prove to be the tour of the world."

Servadae made no reply, but for a time remained silent and absorbed in thought. After the silence was broken, they consulted as to what source was best to pursue; and the plan they proposed was, in the first place, to discover bow much of the African coast still remained, and to carry on the tidings of their own experiences

to Algiers; or, in the event of the southern shore having actually disappeared, they would make their way northwards and put themselves in communication with the population on the southern shore of Before starting, it was indigensable that the engine of the Dobryes should be repaired: to sail

under canvas only would in contrary winds and rength sees be both tedious and difficult. The stock of coal on board was adequate for two months' consamption; but as it would at the expiration of that time be exhausted, it was obviously the part of prudence to employ it in reaching a port where fuel could be repleniabed The damage sustained by the engine proved to be not very serious; and in three days after her arrival the Debryns was again ready to put to sea. Servadae employed the interval in making the

in the earth's orbit was a question which would still require several days to decide. The weather re-mained fine, and although a few clouds had accommlated, and wight have caused a triffing fall of the becometer, they were not sufficiently threatening to

that there should be some one left to receive any starrover that might accepbly arrive as well as to keep an eye upon the hards of cattle which, in the dulares prospert before them might move to be the sole remouve of the survivors of the satestrucks. Altorether, taking into consideration that the errors fellow mould incore no reserved wish her remaining upon the island, the captain was induced with much rejectance to former the attendance of his servant, boxing very shortly to return and to restore him to his country, when he had ancertained

the solution of the receivation in which they make On the 31st, then, Ben Zoof was "invested with governor's powers," and took an affecting leave of his master, hereing him, if charge should carry him near Mantmayter to assertely whether the baloved "mountain" had been left unmoved.

CHAPTED Y

A SEARCH POR ALGERIA The Dolowso, a strong craft of 200 tons harden.

had been built in the farmous ablebuilding words of the Isle of Wight. Her sea-going qualities were excellent, and would have amply sufficed for a circommunication of the plane

Count Timeschoff was himself no sailer, but had the eventest confidence in leaving the command of his yacht in the hands of Lieutenant Process, s man of about thirty years of age, and an excellent seaman. Born on the count's estates, the son of a perf who had been emarcinated long before the famous edict of the Emperor Alexander, Procops was apparely attached, by a tie of gratitude as well as of duty and affection, to his patron's service.

After an apprenticeship on a merchant ship he had entered the imperial mays, and had already reached the rank of lieutenest when the count appointed him to the charge of his own private yacht, in which he was accustomed to spend by far the greater part of his time, throughout the winter generally cruising in the Mediterranean, whilst in the summer be

The ship could not have been in better hands. The Herfarent was well informed in many matters outside the pale of his profession, and his attainments were alike creditable to himself and to the liberal friend who had given him his education. He had an excellent crow, consisting of Tipley, the engineer, four saffore named Niegoch, Tolstoy, Etker, and Penafto, and Mockel the crok. These men, without exception were all over of the count's tenants, and so tempolously, even out at sea, did they cling to their old traditions, that it mattered little to them what physical disorganization ensued, so long as they felt they were sharing the experiences of their

Happile the recent phenomera had no effect upon the company; the magnetic needle, which in these regions had pointed about 22° from the north pale. had never deviated in the least-a proof that, although east and west had apparently changed

places, north and routh continued to retain their normal position as eardinal points. The log and the comman, therefore, were now to be called upon to do the work of the sextant and chronometer, which had become utterly useless.

On the first morning of the cruise Lieutenant Proceps, who, like most Russians, spake French fuently, was explaining these peculiarities to Captain Servadae; the count was present, and the con-

versation perpetually recurred, as naturally it would to the obstances which remained to inexplicable to them all "It is very evident," said the liestenest, "that ever since the lat of January the earth has been

moving in a new orbit, and from some unknown cause has drawn nearer to the sun." "No doubt about that," said Servadac: " and I lord and master. The late astounding events, howsuppose that, having crossed the orbit of Venus, wa

those worse in the worst way partially unfort them. selves and rebound against the sides of the yearel; they might rather he described as long undulations carrying the schooner (its weight diminished from the same cause so that of the water) alternately to much heights and depths, that if Cantala Sanwadow had been subject to zensickness he must have found himself in sorry plicht. As the nitching. Parewells over, the Dobrana was carefully steered however, was the result of a long uniform small, the through the creek, and was soon upon the oven seas. yasht did not labor much harder than she would point the ordinary short storm mayor of the Mediterranean; the main incorrectionce that was experienced was the dissinction in her proper rate

not the less ap from his consciousness that the count

Steam on and commun surrend the enhances stanted

castward. With a favorable wind she would see

tainly have made alexen knots an hour had not the

high waves computed impeded her progress. Al-

though ank a moderate broom was blowing the sea

was rough. A circumstance to be accounted for only

by the diminution in the force of the earth's attrac-

secretly particule of his own anxiety.

For a few relies she followed the line hitherteprecumably occupied by the coast of Algeria; but no land appeared to the south. The charged nositions of the vicasta rendered them of no avail for nurroses of nautical observation, nor could Lieutenant Procone salculate his latitude and incritude

by the altitude of the erro as his restonings would be useless when applied to charts that had been constructed for the old order of things: but nevertheless, by means of the log, which gave him the rate of progress, and by the company which indiented the direction in which they more satting he was able to form an estimate of his position that was sufficiently free from error for his immediate

by the more effect of oscillation they were carried to a height that was cuits emprecedented. M. Avano has fixed twenty-five or twenty-six feet as the way! from elevation ever attained by the highest waves and his astenishment would have been very great to see them rising fifty or even sixty feet. Nor did

tion rendering the liquid particles so busyant, that

have a good change of running into the orbit of any city should disappear so completely? Would not the leftiest emiseness of the city at least he Mercury "And fraish up by a collision with the sun!" added visible? Surely some portion of the Cashah must still rise above the wayen? The imperial fort, too. was built upon an elevation of TEO feet. in in in-"There is no fear of that," sir. The earth has undoubtedly entered upon a new orbit, but she is credible that it should be so totally submerged. Unless some vestions of these are found. I shall begin

not incurring any probable risk of being precipitated into the sun." "Can you satisfy us of that?" asked the count. "I can, sir. I can give you a proof which I think vou will own in conclusive. If, as you surpose, the earth is being drawn on so as to be precipitated against the sun, the great easter of attraction of our system, it could only be because the contribuent and centripetal forces that cause the planets to rotate in their several orbits had been entirely suspended: in that case, indeed, the earth would rush

onwards towards the sun, and in sixty-four days and a half the catastrophe you dread would inevitably happen." "And what demonstration do you offer," asked Servadac cagarty, "that it will not harmen?" "Simply this, contain: that since the earth onterned her new order half the sixtu-form days has already claused, and yet it is only just recently that

she has crossed the orbit of Venus, hardly one third of the distance to be traversed to reach the sun. The lieutenant mused to allow time for reflection, and added: "Moreover, I have every reason to believe that we are not so near the sun as we have been. The temperature has been crudually diminishing; the heat upon Gourbi Island is not greater now than we might ordinarily expect to find in Algeria. At the same time, we have the problem still unsolved that the Mediterranean has evidently been transported to the counterial zone."

Both the count and the captain expressed themselves reassured by his representations, and observed that they must now do all in their newer to discover what had become of the vast continent of Africa, of which, they were hitherto falling so completely to find a vestige. Twenty-four hours after leaving the Island, the

Debryon had passed over the sites where Tenen, Cherchil, Koltah, and Sidi-Feruch open had been, but of these towns not one appeared within range of the telescope. Ocean reigned supreme. Licutenant Process was absolutely certain that he had not mistaken his direction; the comman aboved than the wind had never shifted from the west, and this, with the rate of speed as estimated by the log, combined to assure him that at this date, the 2nd of February, the schooner was in lat, 26° 49' N. and long, 5° 25' E., the very spot which eaght to have bean occupied by the Algerian capital. But Algiers, like all the other coast-towns, had apparently been

absorbed into the bowels of the earth. Captain Servadac, with clenched teeth and knitted brow stood stroube almost forcely reporting the boundless waste of water. His pulse beat fast as he recalled the friends and comrades with whom he had smort the last few waves to that wantshed city. All the images of his part life deated morn his memory; his thoughts sped away to his native France, only to return again to wonder whether

the depths of ocean would reveal any traces of the Algerian metropolis. "Is it not impossible," he marmared aloud, "that

to suspect that the whole of Africa has been suallowed in some wast abyen." Another circumstance was most remarkable. Not a material object of any kind was to be noticed floating on the surface of the water; not one branch of a tree had been seen drifting by nor one may be-

longing to one of the numerous yeards that a month presumely had been mound in the magnificent has which stretched twelve miles across from Cape Matafuz to Point Pexade. Perhans the depths might disclose what the surface foiled to reveal and Count Timascheff, anxious that Servadac should have every facility afforded him for solving his doubts, called for the sounding-line. Forthwith, the lead was greased and lowered. To the surprisa of all, and especially of Lieutenant Peacone, the line

indicated a bottom at a nearly uniform depth of from four to five fathoms; and although the soundtwo hours over a considerable area, the differences of level were insignificant, not corresponding in any degree to what would be expected over the site of a city that had been terraced like the seats of an amphitheater. Astounding as it seemed, what afternative was left but to suppose that the Algerian canital had been completely leveled by the fixed? The sea-bottom was composed of neither rock, mod, sand, nor shells; the sounding-lead brought up nothing but a kind of metallic dust, which edittered with a strange irideacence, and the nature of which it was impossible to determine, as it was

totally uplike what had ever been known to be reised from the bed of the Mediterranean "You must see, lieutement, I should think, that we are not so near the count of Algeria as you im-agined." The liggtenant shook his head. After pendering awhile, he said: "If we were farther away I should

expect to find a depth of two or three hundred fatherns instead of five fatherns. Five fatherns! I confess I am pureled." For the next thirty-she hours, until the 4th of February, the see was exemined and evoluted with the most unflagging perseverance. Its depth remained invariable, still four, or at most five, fathoms; end although its bottom was assistmenty dredard, it was only to prove it barren of marine

The yacht made its way to lat, 36° north, by reference to the charts it was tolerably certain that she was equising over the site of the Sabel, the ridge that had separated the rich plain of the Mitidia from the sea, and of which the highest peak, Mount Bourjersh, had reached an altitude of 1,200 feet: but even this peak, which might have been expected to emerge like an injet above the surface of the sea. was powhere to be traced. Nothing was to be done but to put about, and return in disappointment to-

Thus the Dobryos regained the waters of the fediterranean without discovering a times of the missing province of Algeria.

AN IILAND TOMB No longer then, sould there he any doubt as

to the annihilation of a considerable portion of the cology. Not merely had there been a submersion confirmed that the very bowels of the earth must have vayined and closed again upon a large torritory. Of the rocky substratum of the province it became more evident than ever that not a trace remained, and a new soil of unknown formation had

certainly taken the place of the old sandy assi-hottom. As it alteerther transcended the powers of these on board to chreidate the origin of this estantrophe, it was felt to be meumbent on them at least to ascertain its extent. After a long and somewhat wavering discussion, it was at length decided that the schooner ebould

take advantage of the fourable wind and weather. and proceed at first towards the east, thus following the outline of what had formerly represented the coast of Africa, until that coast had been lost in boundless sea

Net a vestice of it all remained: from Care Matafur to Tunis it had all gone, as though it had never been. The maritime town of Dellis, built like Alriera areshitheater-wise had totally disonpeared; the highest points were quita invisible; not

altitude of more than 7,000 feet. Degraring of her first the Dobrose made her way at full steam towards Cape Blaze. Neither Caps

Negro vor Cape Serrat was to be zeen. The town of Bizerta, once charming in its oriental beauty, bad vanished atterly; its marabouts, or templegolf, which by reason of its narrow mouth had the semblance of a lake, all had disappeared, giving place to a vast waste of sea, the transparent waters

of which, as still demonstrated by the sounding-line, had ever the same uniform and arid bottom. In the course of the day the achooner rounded the point where, five weeks previously, Cape Blanc bad been so consposeds an object, and she was now stemming the waters of what once had been the Bay of Turos. But hey there was none, and

the Arsenal, the Goletta, and the two peaks of Bog-Kournein, had all vanished from the view. Cane Bon, too, the most northern promontery of Africa and the point of the continent nearest to the island of Sicily, had been included in the general devas-

tation. Before the congruence of the recent product, the better of the Mediterranean just at this point had formed a studies ridge across the Straits of Libra. The sides of the ridge had shelved to so great an extent that, while the depth of water on the summit had been little more than eleven fatherns, that on either hand of the akvation was little short of a hundred fathoms. A formation such as this plainly indicated that at some remote exact Cane Bon had been connected with Cape Furina, the extremity

of Sicily, in the same manner as Cauta has doubtless Lieutenant Procope was too well acquainted with the Mediterraneon to be measure of this peculiarity.

Both Timaschaff and Servadae were much interested in watching the operations. At a sign from the lieutenant, a sailor who was stationed at the foot of the fore-shrouds dramed the sounding-lead into the water, and in reply to Procope's inquiries, reported-"Five fatheens and a flat bottom." The next sim was to determine the amount of depression on either side of the rides, and for this

whather the submarine vides still existed or

whether the sea-bottom between Sicily and Africa

had preference any modification

ings taken at each station. "Five fathoms and a fat bottom," was the unvaried amountement after each operation. Not only, therefore, was it evident that the submovered shain between Cone Roy and Case Furina no longer existed, but it was equally clear that the convulsion had capped a general leveling of the sea-bottom, and that the soil, degenerated, as it has been said, into a metallic dust of unrecog-

nized composition, fore no truce of the sponges. sea-anemones, star-fish, sea-nettles, hydrophytes, and shalls with which the submarine rocks of the The Dobrana now nut about and resumed her bowever, as remarkable as ever how completely throughout the voyage the sea continued to be deserted; all expectations of halling a yearel bearing

news from Europe were entirely falsified, so that be conscious of his inclution, and to believe that the achooner, like a second Nosh's ark, carried the sole survivoes of a estamity that had accembalmed the carth. On the 9th of Petrury the Dobrana named over the site of the city of Dide, the arcient Byren-

a Carthage, however, which was now more completely annihilated than ever Punic Carthage had been destroyed by Scipio Africanus or Roman Carthage by Hassan the Saraero. In the evening, as the sun was sinking below the eastern borison, Captain Servadae was loanging mordily against the taffrail. From the heaven

show, where stars kent peening fitfully from bebind the moving clouds, his eye wandered meckenissily to the waters below, where the long waves were rising and falling with the evening brance. All at once, his attention was arrested by a luminers speck straight ahead on the southern hor-

iron. At first, imagining that be was the victim of some spectral illusion, he observed it with silent attention; but when, after some minutes, he became convinced that what he saw was actually a distant light, he arrestled to one of the sailers, by whom his impression was fully corroborated. The intelligence

was immediately imparted to Count Timascheff and the lieutenest "Is it land, do you suppose?" inquired Servader.

"I should be more inclined to think it is a light

on board some ship," replied the count. "Whatever it is, in another hour we shall know all about it," said Servadas. *No, captain," interpreted Ligaterant Procept; "we shall know nothing until to-morrow."

AMAZING STORIES night

"What! not bear down upon it at once?" asked the count in surprise. "No, sir; I should much rather lie to and wait till daylight. If we are really near land, I should be afraid to approach it in the dark." The count expressed his approval of the lieutenant's caution, and thereupon all sail was short-

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ened to as to keen the Dobrusa from making any considerable progress all through the bours of night, Few as those hours were, they seemed to those on hand at if their and much never owne. Ecorful lest the faint glimmer should at any moment coase to be visible. Heeter Servadar did not crait his nest upon the deck; but the light continued unchanged.

It shone with about the same derroe of luster as a star of the second magnitude, and from the fact of its remaining stationary. Procope became more and more corrinced that it was on lood and did not belong to a passing vessel.

At suzgise every telescope was pointed with keenest interest towards the center of attraction. The light, of course, had coased to be visible, but in the direction where it had been seen, and at a distance of about ten miles, there was the distinct outline of a solitary island of very small extent: rather, as the count observed, it had the appearance of being the projecting summit of a mountain all but submerged. Whatever it was, it was agreed

that its true character must be ascertained, not only to gratify their own curtosity, but for the benefit of all future navigators. The schooner accordingly was steered directly towards it, and in less than an hour had cost anchor within a few cables' lengths. of the shore

The little island proved to be nothing more than an arid rock rising abreptly about forty feet above the water. It had no outlying roofs, a circumstance that seemed to suggest the probability that in the recent convulsion it had sunk gradually until it had reached its present position of aquilibrium

Without removing his eye from his telescope, Servaries explained. "There is a habitation on the place: I can see an erection of some kind quits distinetly. Who can tell whether we shall not come

across a human being?" Lieutenant Procope looked doubtful. The island had all the appearance of being deserted, nor did a companished fred from the schooner have the effect of bringing any resident to the shore. Nevertheless, it was undenishle that there was a stone hullding situated on the top of the rock, and that this

ID050Uc. The boat was lowered and manned by the four sailors; Servadac, Timascheff and Procope were outskly rowed ashore, and lost no time in commencing their ascent of the stren applicity. Then reach, ing the summit, they found their progress arrested by a kind of wall, or rampart of singular construction, its materials consisting mainly of vanes, fragments of columns, carved bus-reliefs, statues, and portions of broken stells, all niled promisencesty together without any pretense to artistic arrangement. They made their way into the enclosure. and finding an open door, they passed through and soon came to a second door, also open, which ad-

ing of a single chamber, the walls of which were

commented in the Arabian style by aculatures of

attracted Servadac's attention on the previous "Must there not have been a custodian of the shrine?" they mustually asked; but if such there had ever been, he must, they concluded, either have field or have purished on that eventful night. Not a soul was there in charge, and the sole living occupants were a flock of wild cormorants which, startled at the entrance of the intruders, rose on wing, and took a rapid flight towards the south An old French prayurchook was being on the

indifferent execution. In the center was a tomb of

the very simplest kind, and above the torsh was

suspended a large allver lamp with a capacious res-

ervolr of oil, in which floated a long lighted wick.

the figure of which was evidently the light that had

corner of the temb; the volume was oven, and the page errored to view was that which contained the office for the celebration of the 25th of August. A sudden revelation dashed across Serendar's mind. The saleson isolation of the island tooth the over breviary, the ritual of the anciest anniversary, all combined to apprise him of the sauctity of the

spot upon which he stood, "The temb of St. Louis!" he explained, and his companious involuntarily followed his example, and made a reverential obeisance to the venerated monu-It was, in truth, the very spot on which tradition

scents that the carculated manarch came to die, a trymen had paid the homage of a plous regard The lamp that had been kindled at the memorial shrine of a saint was now in all probability the only beacon that threw a light across the waters of the Mediterranean, and even this ere long must itself expire.

There was nothing more to explore. The three together quitted the mosque, and descended the rock to the shore, whence their bost re-conveyed them to the schooner, which was soon again on her southword voyage; and it was not long before the temb of St. Louis, the only spot that had survived the

mysterious abook, was lost to view.

CHAPTER XII AT THE MERCY OF THE WINDS As the affrickted cormorants had winged their

flight towards the south, there sprang up a sanguine hope on board the schooner that land might be discovered in that direction. Thither, accordingly, it building had reach the character of an Arabian was determined to proceed, and in a few hours after ouitting the island of the tomb, the Dabrone was traversing the shallow waters that now covered the peninsula of Dakhul, which had separated the Bay

of Tunis from the Gulf of Hammamet. For two days she continued an undeviating course, and after a futile sourch for the coast of Tunis, reached the intitude of 84" north. Here, on the 11th of February, there suddenly arose the arr of "Land" and in the extreme harison right ahead, where land had never been before, it

was true enough that a shore was distinctly to be seen. What could it he? It could not be the count of Tripoli; for not only would that low-lying shore milited them to the interior of the mosque, consistbe quite invisible at such a distance, but it was certain, moreover, that it lay two degrees at least still further south. It was soon observed that this nearly discovered land was of very irregular elevation that it extended due east and west arrows the horizon, thus dividing the gulf into two separate sections and completely concealing the island of laste which want his behind the nosition was dely traced on the Debryng's shart.

"How strange" exclained Hecter Servadee "that after sailing all this time over sea where we exneeted to find land, we have at look come upon land

"Strange, indeed," replied Lieuterant Procope: "and what sureare to me almost as remarkable in that we have never once exacht sight either of one of the Malters tartons or one of the Learning

sobers that traffic so regularly on the Mediterra-Bean " "Eastwards or westwards," asked the count-"which shall be our course? All farther progress

to the worth is sheeled."

"Westwards," by all means," replied Servedae mickly. "I am lenging to know whether anything ross Gourbt Island we might take lies Zoof on board, and then make away for Gibraltar, where we should be arre to been semathing at least of European news."

With his usual air of stately overtony. Count Times. scheff begged the captain to remaider the yacht at his own disposal, and desired him to give the lien-

Lieutenant Processe, however, healtated, and after resolving matters for a few moments in his mind. pointed out that as the wind was blowing directly from the west, and seemed likely to increase, if ther meet to the result in the teeth of the mosther the schooner would be reduced to the use of her engine only, and would have much difficulty in wairing good headsmy; on the other hand by taking an eastward course, not only would they have the advantage of the wind but under steam and energy mucht hope in a few days to he off the coast of Reyed, and from Alexandria or some other port they would have the some opportunity of getting

tidings from Europe as they would at Gibraltar. Intensely auxious as he was to revisit the province of Oran, and eager, too, to satisfy himself of the welfare of his faithful Ben Zoof, Servedac could not but own the reasonableness of the Bestemant's objections, and yielded to the proposal that the eastword opens should be adopted. The wind pave sions only too threatening of the breeze rising to a gale; but, fortunately, the waves did not culminate in comborn, but rather in a long swell which ran

in the same direction as the vessel. During the last fortnight the high temperature reached an average of 20° Cent. (or Gt' Pahr.), and accredition descended as low as 15°. That this direcination was to be attributed to the change in the earth's orbit was a question that admitted of little doubt. After approaching so near to the sun as to gross the orbit of Verus, the earth must now have

of ninety-one millions of miles was greatly increased, and the probability was great that it was americanting to the orbit of Mars, that planet which in its physical constitution most nearly resambles our own. Nor was this supposition suggested merely by the lowering of the temperature;

server actually stationed on the surface of Mars these phenomera was that the earth had been properted into a new orbit, which had the form of a Very alient however in comparison was the reboard the Doorseas. All interest there was too much Absorbed in terrestrial matters, and in occurtaining

very elemented ellipse.

the areasynt disperser of the sam's dies to the pro-

sias dimensions which it would assume to an ob-

what changes had taken pince in the configuration of the earth itself, to negwit reach attention to be rold to its except movements through speed

The schooner kent bravaly on her way, but well out to sea, at a distance of tun miles from land. There was good need of this pressution, for so precinitors was the above that a yearst driven onen it must inevetably have gone to poscen; it did not

offer a single harbor of refuge, but, smooth and perpendicular on the walls of a fretreen it rose to a baight of two hundred, and occasionally of three bundred feet. The wayes dashed violently against its have. Upon the corneral substantum vected a massive conglomerate, the crystallizations of which rose like a forest of gigantic accomple and obelieks.

But what struck the explorers more than anything was the appearance of cinquiar newsess that peranded the whole of the ranton. It all second on recent in its fermation that the atmosphere had had no exportantly of producing its worted effect in softening the hardness of its lines, in rounding the sharmess of its angles, or in modifying the colorof its surface; its cutline was clearly marked against the sky, and its substance, smooth and polished as though fresh from a founder's maid. elittered with the metallic brilliance that is above acteristic of avrites. It seemed impossible to come to any other constraion but that the land before them, continent or island, had been upbeaved by subterranean forces above the surface of the seaand that it was mainly compound of the same metallic element as had characterized the dest so fre-

The extreme nakedness of the entire tract was likewice very extraordinary. Elsewhere, in various quarters of the globe, there may he sterile rocks, but there are none so adament as to be altogether unferrowed by the crevious expendent to the moist residuum of the condensed water: elecubere there may be barren steeps, but none so arid as not to afferd seems hold to vegetation. however tess and elementary may be its type; but here all was bare, and blank, and devolute-not a aymetem of

questly unlifted from the bettern

vitality was visible. Such being the condition of the adjacent had, it could hardly be a statter of surretee that all the sea-birds, the albatress, the gull, the sea-mew, sensal continual refuse on the echooner; day and night they perched fearlessly upon the yards, the report of a gun failing to disloder them, and when food of any sort was thrown upon the deck, they would dark down and fight with eagur verselly for the prine. Their extreme avidity was recognized as a proof that any land where they could obtain a

enstenance must be very remete. Onwards thus for several days the Dobryns followed the contour of the inhomitable coast, of which

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the features would occasionally chance, sometimes for two or three miles assuming the form of a simple arris, sharply defined as though out by a chisel, when suddenly the prismater lamails seering in record confusion would again record but all along there was the same absence of beath or tract of sand to mark its base, nother were there any of those shoels of rock that are ordinarily found in shallow water. At rare intervals there were some nervous flaures, but not a crock available for a ship. to enter to replenish its supply of water; and the wide roadsteads were unprotected and exposed to well-nigh energy point of the company

But after sailing two hundred and forty miles, the progress of the Dobrans was suddenly arrested Limitariant Processe, who had aphalously Invented the outline of the newly revealed shore upon the west, and had taken a turn due north, thus forming a berrier to their continuing their previous direction. It was of course immessible to conjecture how far this harrier extended; it coincided pretty peerly with the fourteenth meridian of east longitude; and if it reached, as probably it did, beyond Sicily to Italy, it was certain that the vast begin of the Mediterranean, which had washed the shores allike of Europe, Asia, and Africa, must have been reduced to about half its original area.

It was resolved to proceed upon the same plan as haretofore, following the boundary of the land at a safe distance. Accordingly, the head of the Dobcase was related north, making strenght, as it was presumed, for the south of Europe. A hundred roles, or somewhat over, in that direction, and it was to be anticipated she would come in sight of Malta, if only that ancient island, the heritage in succession of Phonicians Carthaginians, Sicilians, Romans, Vandals, Greeks, Arabians, and the knights of Rhodes, should still be undestroyed

14th, the sounding-line was dropped upon its site, it was coly with the same result no oftentimes obtained before "The devastation is not limited to Africa," observed the count "Assuredly not," assented the lieutenent; adding

"and I confess I am almost in demair whether we shall ever ascertain its limits. To what quarter of Europe, if Europe still exists, do you propose that I should now direct your course?"

"To Sicily, Italy, France!" ejaculated Servadae. eagerly.- 'anywhere where we can learn the truth of what has befallen us." "How if we are the sole survivoes?" said the

count, erayely. Hector Servadac was silent; his own secret presentiment so thoroughly coincided with the doubts expressed by the count, that he refreined from say-

ing another word. The coast, without deviation, still tended towards the north. No siternative, therefore, remained than to take a westerly occurs and to attempt to reach the northern shores of the Mulitarranees. On the 16th day the Dobryng ensayed to start upon her altered way, but it seemed as if the elements had conspired to obstruct her progress. A furious tempest erose; the wind best dead in the direction of the coast, and the danger incurred by a vessel of a tomage so light was necessarily very great.

rely entirely on his engine. But the peril seemed only to increase. Energous waves capebt the again she was plunged deep into the abvenes that they left. The serow falled to keen its hold unon the water, but continually revolved with useless speed in the vacant air; and thus, although the steam was forced on to the extremest limit consistest with safety, the vessel held her way with the atmost difficulty, and recoiled before the burri-Still, not a single resort for refuse did the incomitable shore present. Agons and agoin the

Lieutement Procone was extremely unearr.

took in all sail, struck his topmasts, and resolved to

and his commudes, even if they should survive the peril of shipwreck, and gain a footing upon the cliff. What resources could they expect to find upon that scene of desolution? What hope could they entertain that may portion of the old continent still exlated beyond that dreary barrier? It was a trying time, but throughout it all the crew behaved with the greatest courage and composure; confident in the skill of their commander.

and in the stability of their ship, they performed their duties with steadiness and unquestioning obedienos. But neither skill, nor courage, nor obedience could avail; all was in vain. Despite the strain put prom her engine, the sobconer, have of carries (for not even the smallest stay-sail could have withstood the violence of the storm), was drifting with terrife speed towards the measuing precipiess, which were only a few short miles to leeward. Fully alive to the hopelessness of their situation, the crew

'All over with us, sir!" said Procupe to the count. "I have done everything that man could do: but But Malta, too, was gone; and when, upon the our case is desperate. Nothing short of a reirocle. can save be now. Within an hour we must go to pieces upon vonder rocks." "Let us, then, commend ourselves to the providence of Him to Whom nothing is impossible," replied the court, in a calm clear voice that could be

distinctly heerd by all; and as he spoke, he reverently encovered an example in which he was followed by all the rest. The destruction of the vessel seeming thus inevitable. Lieutenast Procepe took the best measures any who might escape ashore. He ordered several

he could to incure a few days' supply of food for cases of provisions and logs of water to be brought on deck, and saw that they were securely lashed to some among barrels, to make them float after the thin had some down Less and less grew the distance from the shore

but no creek, no inlet, could be discerned in the towering wall of cliff, which seemed about to topole over and involve there in applibilation. Except a change of wind, or, as Procope observed a supernaturn! rifting of the rock, nothing could bring de-

Brownes now But the wind did not year and in a few minutes more the schooner was hardly three cables' distance from the fatal land. All were aware that their last moment had arrived. Servadoe and the count granted each others' hands for a the schooner was on the very point of being hurled

"Quick, born, quick! Hoist the jib, and right the helm P Sudden and startling as the unexpected orders were, they were executed as if by masic, The lieutenant, who had shouted from the how. reshed astern and took the hear, and before any one had time to meculate upon the object of his maneavers, he shouted again, "Look out! shorp!

watch the sheets?" An involuntary are broke forth from all on board. But it was no cry of terror. Right ahead was a narrow energing in the solid rock; it was hardly forty feet wide. Whether it was a passage or not, it mattered little; it was at least a refuse; and, driven

by wind and ways, the Dobrand, under the decterous suldance of the lieutenant, dashed in between its perpendicular walls. Had she not immured herself in a perpetual

CHAPTER XIII A DOYAL SALETY

"Then I take your bishop, major," said Colonel Murphy, as he made a move that he had taken since "I was afraid you would," replied Major Oliphant, looking intently at the chess-board Such was the way in which a long silence was broken on the morning of the 17th of February by the old salendar. Another day elapsed before another move was made. It was a protracted come; it had, in fact,

already lasted some months. The viewers being on deliberate, and so fearful of taking a step without the most mature consideration, that even now they were only making the twentieth move. Both of them, moreover, were rigid disciples of the renamed Philider, who proposes that to play

ingly, not one payra had been sacrificed without a most vicereus defense. The men who were thus beguiling their leisure were two officers in the British army-Colonel

Hensana Finch Murchy and Major Sir John Terrole Oliphant. Remarkably similar in personal appearance, they were hardly less so in personal character. Both of them were about forty years of are; both of them were tall and fair, with bushe whiskers and mustuches; both of them were phiegmatic in temperament, and both much addicted to the wearing of their uniforms. They were proud of their rotionality, and exhibited a manifest dialike, verging under contempt, for everything foreign, Probably they would have felt no surprise if they had been teld that Anglo-Saxons were fishioned out of some specific play, the properties of which surpassed the investigation of chemical analysis. Without any intentional discovarement they might, in a certain way, he command to two scarscrows which, though

measure of respect, and are excellently adented to protect the territory intrusted to their guardian-English-like, the two officers, had made themselves thoroughly at home in the station abroad in which It had been their lot to be guartered. The faculty of enionization seems to be indigenous to the native

an overwhelming catastrophe, which on the 1st of January had transformed an enermous rock, gurstoomed with well-nigh two thousand treons, into an insignificant itland for out to see. But although the transformation had been so marvelous, it cannot be said that either Colonel Murphy or Major Oliphent had made much demonstration of astonishment "This is all were poculiar, Sir John," observed the "Yes, colonel: very peculiar," replied the major.

tional standard on the surface of the moon, and it

would not be long before a colony would be estab-

company of its soldiers of the line. This party of thirteen men were apparently the sele survivers of

The officers had a servant, named Kirke, and a

"Engined will be sure to send for us," said one offerr "No doubt she will," answered the other, Accordingly, they came to the mutual resolution that they would "stick to their post,"

To say the truth, it would have been a difficult matter for the gallant officers to do otherwise; they had but one small boat; therefore, it was well that selves to patient expectation of the British ship which, in due time, would being relief. They had no fear of starvation. Their island was mined with subterranean stores, more than armsle for thirteen men-may, for thirteen Englishmen-

for the next five years at least. Preserved most, als, brandy-all were in abundance; consequently, as the man expressed it, they were in this respect "all right." Of course, the physical chappen that had taken place had attracted the notice both of officers and men. But the reversed position of east and west.

the dimination of the force of gravity, the altered rotation of the earth, and her projection upon a new orbit, were all things that gave them little concern and no unessiness; and when the colonel and the major had replaced the pieces on the board which had been disturbed by the convulsion, any surerise they might have felt at the chess-man loaing some portion of their weight was quite forgotten in the satisfaction of seeing them retain

One phenomenou, however, did not fail to make its due impression upon the men; this was the diminution in the length of der and night. There days after the catastrophe, Corporal Pim, on behalf of himself and his comrades, solicited a formal interview with the officers. The request having been granted. Pim, with the nine soldiers, all punctilioutly wearing the regimental tunic of scarlet and trousers of invisible green, presented themselves at the door of the colonel's roots, where he and his brother-officer were continuing their cama. Raising his hand respectfully to his cap, which he wore perfectly harmiess in themselves, inspire some poised jountily over his right ear, and scarcely held on by the strap below his under lip, the corporal waited permission to speak.

After a linearing survey of the chem-board, the colonel slowly lifted his eyes, and said with official diority. "Well, men, what is it?" "First of all, sir," replied the corporal, "we want to speak to you about our pay, and then we wish

"Say on, then," said Colonel Murphy, "What is it about your pay?" "Just this, sir; as the days are only half as long as they were, we should like to know whether our pay is to be diminished in proportion." The colonel was taken somewhat aback, and did

not reply immediately, though by some algorithmat node frounds the major be indicated that he thought the question very reasonable. After a few moments' reflection, he replied, "It must, I think. he allowed that your pay was calculated from sunrise to sources: there was no specification of what

the interval should be. Your pay will engine an before. England can afford it. A hors of argreyal horst involuntarily from all the men, but military discipline and the respect

due to their officers kept them in check from any heisterens demonstration of their satisfaction. "And now, corporal, what is your business with me?" asked Major Olinhant.

"We want to know whether, as the days are only six hours long, we are to have but two meals

The officers looked at each other, and by their planess agreed that the corneral was a man of sound "Eccentricities of nature," said the major, "cannot interfere with military regulations. It is true that there will be but an interval of an hour and

a half between them, but the rule stands good-four meals a day. England is too rich to grodge her soldiers any of her soldiers' due. Yes; four meals "Hurrah!" shouted the soldiers, unable this time

to keen their delight within the bounds of military decorum; and, turning to the right-about, they marched away, leaving the officers to renew the all-However confident everyone upon the island might

profess to be that sucror would he sent them from their native lead-for Britain never ahandons any of her sons-it could not be discussed that that succor was somewhat tardy in making its appearance. Many and various were the confectures to account for the delay. Perhans England was engrosped with domestic matters, or perhaps she was absorbed in diplomatic difficulties; or perchance, no tidines of the convulsion that had shattered the couth. The whole party throws remarkably well upon the liberal provisions of the commissariat department, and if the officers failed to show the same tendency to embospoint which was fast becoming characteristic of the men, it was only because they deemed it due to their rank to curtail any indul-

gences which might compromise the fit of their uni-On the whole, time passed indifferently well. Englishman rarely suffers from esent, and then only in his own country, when required to conform to what he calls "the humbsg of society"; and the two officers, with their similar tastes, ideas, and dispositions not on together admirably. It is not to be questioned that they were desply affected by a tounded beyond measure at finding themselves the sale survivors of a currison of 1.895 men, but with true British pinck and self-control, they had done

the only land that was visible; for about twelve relies to the couth there was exciter island, onparently the very counterpart of what was now occarried by the Englishmen. It was only natural that this should a waken some interest even in the most importurbable minds, and there was no dealt that the two officers, during one of the rare intersale when they were not absorbed in their game, had decided that it would be desirable at least to accertain whether the island was descried, or whether it might not be occupied by some others, like themselves, survivors from the reneral satastrophe. Cortain it is that one morning, when the weather was bright and calm, they had embarled alone in the little boot, and been absent for seven or eight hours. Not even to Corporal Pim did they communicate the object of their excursion, nor say one syllable as to its result, and it could only be inferred from their manner that they were quite satisfied with what they had seen; and very shortly afterwards Major

names were missing from the mustar-roll.

The island itself, the sole surviving fragment of on engreous role of rock that had reared itself some

1,600 feet above the sea, was not, strictly speaking,

ment, which was no sooner finished than it was formally airwed and smaled with the seal of the 32rd Resiment. It was directed: To the First Lord of the Admiralty, London. seed kent to readiness for transmission by the first ship that should hall in night. But time elapsed,

and here was the 18th of February without an ouportunity having been afforded for any communicatico with the British Government. At breakfast that morning, the colonel observed to the major that he was under the most decided impression that the 18th of February was a royal

anniversary; and he went on to say that, aithough he had received no definite instructions on the subiest, he did not think that the neculiar circumprevent them from giving the day its due military The major quite concurred; and it was mutually agreed that the occasion must be honored by a

Pim must be sent for. The corporal soon made his armearance, smacking his line, having, by a ready intuition, found a pretent for a double morning ra-"The 18th of February, you know, Pim," said the

orienel; "we must have a salute of twenty-one

"Very and " realist Pim a mon of few words "And take core that your fellows don't got their arms and legs blown off," added the officer. "Very mod. sir." said the cornoral; and he made

his salute and withdraw. Of all the bombs, howitzers, and various species of artillery with which the fortress had been crowded, one solitary piece remained. This was a com-

house receipt loader of Sirch calibor, and in default of the smaller ordnance senerally employed for the purpose, had to be brought into remisition for the royal salute. A sufficient number of charges having been provided, the corporal brought his men to the reduct, was sure to send to our relief. Here is the skin." "Yes," replied the major; "she responded to our

embrasure. The two officers, in cocked hats and gun." "It is to be hoped," muttered the corporal, "that our hall has done har no damage."

Before long the hall was full in sight. A long trail of amoke betokened har to he a steamer; and very seen, by the aid of the glass, it could be ascertained that she was a scheener-yacht, and making atraight for the island. A for at her reastboad flattered in the brocce, and towards this the two officers, with the keepest attention, rementively

Simultaneously the two telescopes were lowered. The colored and the major stared at each other in And true it was that the flag that fleeted at the bead of worder must was the blue cross of Russia.

CHAPTER XIV

When the schooner had approached the island, the Englishmen were able to make out the name "Dobruss" painted on the stern. A singoun irregularity of the coast had formed a kind of core. which, though hardly spacious enough for a few fishing-amacks, would afford the yacht a temporary suchorage, so long as the wind did not blow violently from either west or south. Into this cove the Reb. ryna was duly signaled, and as soon as she was safely moored, she lowered her four-oar, and Court Timescheff and Captain Servada: made their way

at once to land, Columel Heneage Finch Murphy and Major Sir John Temple Oliphant stood, grave and prim, formally awaiting the arrival of their visitors. Cardain

Servadae, with the uncontrolled vivacity natural to a Prenchman, was the first to speak. "A joyful sight, gentlemen!" he exclaimed. "It

will give us unbounded pleasure to shake hands again with some of our fellow-creatures. You no doubt have escaped the same disaster as curselves."

But the English officers, peither by word nor gesture, made the alightest acknowledgment of this familiar greeting. "What news can you give us of France, England, or Russia?" continued Serweise, perfectly uncons-

closs of the stolid rigidity with which his advances were received. "We are auxious to hear sawthing you can tell us. Have you had communications with Burcoe? Have you-

"To whom have we the honor of speaking?" at last intersected Colonel Murphy, in the coldest and

most measured tone, and drawing himself up to his full height "Ah! how stunid! I forest," said Servadae, with

the alightest possible shrug of the shoulders; "we have not been introduced Then, with a wave of his hand towards his cornpanion, who meanwhile had exhibited a reserve

hardly less than that of the British officers, he said: "Allow me to introduce you to Count Wassill Timascheff."

"Major Sir John Temple Oliphant," replied the The Ressian and the Englishman meteody ex-

changed the stiffest of horse

full staff uniform, attended to take charge of the proceedings. The gun was maneuvered in strict accordance with the rules of "The Artilleryman's Maxual," and the firing commenced. Not unmindful of the warning he had received.

the corrected was most careful between each distharge to see that every vestige of fire was extinexisted, so as to prevent an untimely explosion

while the men were reloading; and accidents, such as so frequently may public rejoicings, were all happily avoided Much to the chagrin of both Colonel Murphy and Major Olinhant, the effect of the salute fell altogether short of their anticipations. The weight of

the atmosphere was so reduced that there was comparatively little resistance to the emissive force of the gazes, liberated at the carmon's mouth, and there was consequently some of the reverberation. like rolling thunder, that ordinarily follows the dis-

Twenty tisses had the gun been fired and it was on the point of being leaded for the last time, when the colonel laid his hard upon the arm of the man who had the ramed. "Stop!" he said: "we will

keys a ball this time. Let us put the range of the ricce to the test." "A good idea!" replied the major. "Corporal, you hear the orders."

In quick time an artillery-warm was on the mot. 200 Ba, which under ordinary circumstances, the earned would earry shout four miles. It was pro-

posed, by means of telescopes, to note the place where the hall first touched the water, and thus to obtain an appropriation sufficiently accurate as to the true range. Having been duly charged with powder and hall

the gun was raised to an angle of something under 45", so as to allow proper development to the curve that the projectile would make, and, at a signal from the major, the light was sputied to the priming. "Heavens?" "By all that's good!" exclaimed beth officers in one breath, as, standing open-mouthed

they hardly knew whether they were to believe the evidence of their own senses. "Is it possible?" The diminution of the force of attraction at the earth's surface was so considerable that the half had

ped beyond the normen.
"Incredible!" ejaculated the colonel. "Incredible!" echoed the major.

"Six miles at least?" observed the one "Ay, more than that!" reclied the other Awhile, they goned at the sea and at each other

in mute amazement. But in the midst of their perplexity, what sound was that which startled them? Was it mere fancy? Was it the reverberation of the sarrier still booming in their care? Or was it not truly the report of another and a distant over in answer to their own? Attentively and exercise they listened. Twice, thrice did the sound recent stacif. It was quite distinct. There could be no

"I told you so," cried the colonel, triumphently. "I knew our country would not forsake us; it is an English ship, no doobt." In half an hour two masts were visible above the horizon, "See! Was I not right? Our country

AMAZING STORIES

vide," said the court in his ture.
"And this is Colonel Hencege Frach Murphy,"
was the major's grave rejoinder.
More howe were interchanged and the ceremony

Mere bowe were intercharged and the errenery brought to its due conclusion. It need hardly be said that the conversation had been carried on it French, a language which is generally known both by Russians and Englishmen—a circumstance that is probably in some measure to be accounted for by

The formal prelimitaries of etiquette haing this complete, there was no lenger any obstacle to a free intercourse. The colonel, sugging to his greats to trace the colonel of the colonel

companied them, and all four having taken their sata, the conversation strates the eeds formatives. Revitated and disgusted at all the eeds formatives, Beetre Berveder resolved to lower all the taking to the count; sadd he, quite nevers that the English max would abhave to the faction that they could be supposed to known atthing that had transpored previous to the Introduction, the Almest College of the resolved the country of the Control of the Cont

"You must be aware, gentlenees," begin the court, "that a most singular estationhee centred on the let of January leet. Its cause, its limits we have utterly failed to discover, but from the appearance of the island on which we find you kere, you have widenify experienced its downstainte con-

sequence."
The Englishmen, in silence, bowed assent.
"Captain Servadat, who accompanies me," con-

timed the cents, "has been most severely tried by the diseaster. Biggged as he was in an important mission as a staff-efficer in Algeria—..." "A Franch colony, I bellows," interpresed Major

Oliphant, half shutting his open with an expression of superme indifference. Servadee was on the point of making some enting retort, but Count Timaschoff, without allowing the

interruption to be noticed, calmiy continued his nornative:
"It was near the mouth of the Shelif that a portion of Africa, on that eventful night, was transferred into as island which alone survived: the rea-

of the visit continent disappeared so completely as if it had never been."

The announcement seemed by no means startling to the absorbation of the startling to the absorbation of the startling.

to the phiumatic colonel.
"Indeed!" was all he said.
"And where were you?" saked Major Oliphant.
"I was out at sea, coulding in my yacht hard he.

"I was out at sea, cruising in my yacht hard by and I look upon it as a mirrois, and nothing less, that I and my erew semped with our lives." "I congratulate you on your look," replied the major.
The count recorned: "It was about a month after

the Algerian coast, and had the pleasure of meeting with my previous acquaintance, Captain Servadae, who was resident upon the island with his orderly, Ben Zoof."

en Zoof."
"Ben who?" inquired the major.

"Zoof! Ben Zoof?" ejaculated Sarvadae, who could scarcely about loud enough to relieve his pentup feelings.

Legocity this shulltim of the contribute sphere

ignoring this contribute of the configurate spaces, the count went not copy: "Capital Servade was the configuration of the configuration of the conception of the common of the common of the conception of the common of the common of the comtended of the common of the common of the conwers we should attem, but designed to direct our course to what proviously had been the east, in order between might, if possible, discover the coleredry that we might, if possible, discover the coleredry that we might, if possible, discover the col-

ony or Agers, but or Agers, but a trace remained."

The celesuic curled his lip, insinating only toplasily that to him it was by no means surprising that a French colony about be wanting in the clument of stability. Beruden observed the supercilions look, and half rose to his feet, but, smatherter his resustanced task has not some without

apsaking.
"The devastation, genitereen," said the count, who persistently refused to recognize the Freezistans's irritation, "everywhere was terrible and complete. Not only was Alparia but, but there was no rates of Tainis, except one solitary reck which was crowned by an arosest temb of one of the kings of Warrane."

"Louis the Ninth, I presume," observed the colonel.
"Saint Louis," blurted out Servedae, savagely.

Colonel Murphy sightly smiled.

Proof against all interruption, Count Timascheff,
as if he had not heard it, went on without pussing.

He related how the arbonner had resthed her way.

orwards to the south, and had reached the Guif of Cabes; and how she had ascertained for certain that the Soshare See had no longer an existence. The smile of disdain again crossed the colonel's face; he could not conceal his spinion that such a destiny for the work of a Prenchman could be no

matter of surprise.

"Our next discovery," continued the count, "wom
that a new coast had been upbeaved right along in
front of the coast of Tripoli, the geological formation of which was altegether strange, and which

tion of which was altogether strange, and which extended to the neeth as far as the proper place of Mails."

"And Mails." eried Servade, unable to control himself any lenger: "Mails—team, forts, soldiers.

povernor, and all—has vanished just like Algeria."
For a recount a cloud rested upon the colonal's brow, only to give pince to an expression of decided incredulity.

cided incredulity.
"The statement seems highly increditie," he said.
"Increditie? repealed Servador. "Why is it that
you doubt my word?"
The containts 'ping wrath did not prevent the

oliced from replying coolly, "Because Malta belongs to England."
"I can't help that," answered Servaise, sharply;

major. "The count reasond: "If were bout a mostle after the great disreption that I was subject, any engine the great disreption that I was subject, any engine to China. But the subject is a fit it had belonged the Algerian count, and had the pleasure of meeting. Serwise, and special to be scent; "Do were not supply the count in the worse of meeting."

think you may have made some error, count, in reckoning the bearings of your yacht?"
"No, colonel, I am quite certain of my reckonings; and not only as I beatify that Malia has dium.

stamped with race

eared, but I can affirm that a large section of the the British standard floating over the top of the Mediterranesa has been closed in hy a new continant. After the most auxious investigation, we "Pshaw!" cried Servedac, with a contemptuous enald discover only one narrow opening in all the sneer; "that flag, you know, has been boisted but coast, and it is by following that little channel that z. few short weeks "That flag has floated where it is for ages," an-

we have made our way hither. England, I fear, has suffered orieversly by the late extestrophe-Not only has Malta been entirely lost, but of the Ionian Islands that were under England's protection, there seems to be but little left." "Ay, you may depend upon it," said Servadae.

breaking in upon the conversation petulantly, your grand resident Lord High Commissioner has not much to congratulate himself about in the con-

dition of Corfu The Englishmen were mystified.

"Corfu. did von say?" asked Major Olishant. "Yes, Corfu: I said Corfu," replied Servadae. with a sort of malicious triumob

The officers were speechless with astonishment The silence of hewilderment was broken at length by Count Timascheff making inquiry whether

nothing had been heard from England, either by telegraph or by any passing ship. "No," said the colonel; "not a ship has passed;

and the cable is broken." "But do not the Italian telegraphs assist you?" continued the count "Station! I do not comprehend you. You must

mean the Spanish, surely." "How?" demanded Timascheff. "Confound it?" cried the impatient Servadae.

"What matters whether it he Search or Italian? Tell us, have you had no communication at all from Europe?-no news of any sort from London?" "Hitherto, none whatever," replied the colonely

adding with a stately emphasis, "but we shall be sure to have tidings from England before long." "Whether England is still in existence or not, I The Englishmen started simultaneously to their

feet. "England in existance?" the colonel cried. "England! Ten times more probable that France-" "France ?" shouted Servaine in a passion. "France is not an island that can be submerged: France

is an integral portion of a solid continent. France. at least, is safe." A scene appeared meritable, and Count Timeschoff's efforts to conciliate the excited parties were of small avail "You are at home here," said Servadac, with as

much enimness as he could command; "It will he advisable. I think, for this discussion to be carried on in the own air." And hurriadly he left the room Followed immediately by the others, he led the way to a level piece of ground, which he considered by might fairly claim as neutral territory

"Now, gestlemen," he becan haughtily, "permit me to represent that, in spits of any loss France may have sustained in the fate of Algeria, France is ready to answer any provocation that affects her honor. Here I am the representative of my country,

and here, on neutral ground-"Neutral ground?" objected Colonel Murphy; "I beg your pardon. This, Captain Servador, is Eng-lish territory. De you not see the Regulah fau?" and, as he spoke, he pointed with national pride to

"An imposture!" shouted Servades, as be Recovering his composure in a degree, he continged: "Can you suppose that I am not aware that this island on which we find you is what remains of the Ionian representative republic, over which you Eng-

lish exercise the right of protection, but have no claim of government?" The colons) and the major looked at each other

in anatement Although Count Timeschoff secretiv symnathized with Servadee he had carefully refrained from taking part in the dispute; but he was on the point of interfering, when the colonel, in a greatly subdued

tone, hegged to be allowed to speak "I begin to apprehend," he said, "that you must he izherine under some stranes mistake. There is no room for questioning that the territory here is Regisad's-England's by right of conquest; ceded to England by the Treaty of Utrecht. Three times, indeed-in 1737, 1779, and 1782-France and Seals

have disputed our title, but always to no purpose. You are, I assure you, at the present moment, as much on English soil as if you were in London, in the middle of Trafalray Source It was now the turn of the cantain and the count

to look sururised. "Are we not, then, in Corfu?" they soked. "You are at Gibraltar," replied the colonel. Gibraltar! The word fell like a thunderelap up-

on their ears. Gibraltar! the western extremity of the Mediterranean! Why, had they not been sailing persistently to the east? Could they be wrong in imagining that they had reached the Ionice Is.

lands? What new mystery was this? Count Timascheff was about to proceed with a more reported investigation, when the effection of all was arrested by a loud outery. Turning round, they saw that the crew of the Dobrusa was in her dispute with the Knohish soldiers. A general aber-

cation had arisen from a disagreement between the sailor Panofica and Corneral Pim. It had transpired that the cannon-ball fired in experiment from the island had not only damaged one of the snarw of the schooner, but had broken Panofka's pipe, and, moreover, had just graved his nose, which, for a Russian's, was unusually long. The discussion over this mishap led to mutual recriminations, till

the sailors had almost come to blows with the garrisco. Servadae was fust in the mood to take Parofice's part, which drew for Major Oliphant the ramark that England could not be held responsible for any

accidental injury done by her earnon, and if the Russian's long nose came in the way of the hall, the Russian must submit to the mischance.

This was too much for Count Timescheff, and having poured out a torrent of anory invertise against the English officers, he ordered his crew to

embark immediately.

32 AMAZING STORIES "We shall meet again," said Servadae, as they Servadae smiled intelligently, anticipating the

reshed off from shorp. "Wherever you please," was the cool runly. The everyanteral mystery humbed the minds of both the count and the centain, and they felt they could never rest till they had ascertained what had

become of their respective countries. They were alad to be on board names that they might resume their worsers of impostigation, and in two hours. more out of sight of the sole remotion fragment of Gibraltar.

CHAPTER TV AN ENWINA FROM YER SEA

Lieutenant Propose had been left on board in charge of the Dobryne, and on resuming the voyage it was a task of some difficulty to make him understand the fact that had fact come to light. Some boars were spent in discussion and in attempting to peretrate the reveteries of the situation.

There were cartain things of which they were serfectly certain. They could be under no misarers. housten as to the distance they had marriagly sailed from Gourbi Island towards the east before their further progress was arrested by the unknown abere; as rearly as possible that was fifteen deerror; the length of the narrow strait by which the open sea was about three miles and a half; there around to the island, which they had been assumed on avidance that they could not dishellers. to be more the site of Gibrultar, was four degrees; while from Gibraltor to Govern Jeland was seven degrees or but little more. What was it altogether? Was it not less than thirty degrees? In that latitude, the degree of longitude represents sight and forty roles. What, then, did it all arrount to? Indobitable to less than 1 400 miles. So brief a reverse would bring the Dobryes once again to her startingnoist, or, in other words, would enable her to com-

plate the circumnavigation of the globe. How changed the condition of things! Previously, to would have involved the passage of the Suez Genal. the Red Sea, the Indian Ocean, the Pacific, the Atlandle; but what had harmoned nam? Why Gibraltan had been reached as if it had been just at Gorfu. and some three hundred and thirty degrees of the earth's circuit had vanished atterly.

After allowing for a cortain margin of miscakulation, the main fact remained understable; and the recessary inference that Lieutenant Process drew from the round of the earth being completed in 1.400 miles, was that the earth's diameter had been refused by about Officer sixtensibs of its length.

"If that he so," observed the count, "it accounts for serve of the strange phenomena we witness. If our world has become so insignificant a spheroid. not only has its gravity dimensished, but its return speed has been necelerated; and this affords an adecuste explanation of our days and nights being thus curtailed. But how about the new orbit in

which we are moving?" He named and numbered, and then looked at Prosluctdation of the difficulty. The lieutenant heaitotad. When in a few marrents he becan to sneak. answer he was about to hear. "My contesture is," said Procope, "that a fragment of considerable magnitude has been detached from the earth; that it has carried with it on enunlose of the coutb's streoughest and that it is row transling through the salar system in an orbit

of the cortic " The honothesis was plausible; but what a multitude of bewildering speculations it entailed! If, in truth, a partain many had been broken off from the

What would be the measure of the eccentricity of its math? What would be its period round the con? Might it not, like a cornet, he carried away into the yest infinity of space? or, on the other hand, mucht it not be attenued to the great central source of light and heat, and he shourted in it? Did its orbit correspond with the place of the ecliptic? and was there no thance of its ever uniting again with the

clobe, from which it had been torn off by so sudden and violent a disruption. A thoughtful allence fell mon them all, which Servadas was the first to break. "L'enterant." he said, "your explanation is inconious, and accounts for many expensations but it argue to me that in

"How so?" replied Procone. "To my mind the theory meets all objections." "I think not." Servades answered. "In one point,

at least. It ampore to ree to breek down correlately "What is that?" sales I the Heatenant "Stop a morecut," said the contain. "Let ue see that we understand each other right. Unless I mistake you, your hypothesis is that a fragment of the earth, comprising the Mediterranean and its

shows from Gibraltar to Malta, has been developed into a new asteroid, which is started on an indemendent orbit in the salar regions. Is not that your "Procisely so." the lightenest appriesced. "Well then " continued Servadac, "it seems to me

to be at fault in this respect; it falls, and falls core pletely to second for the medicinal character of the land that we have found now encommaning this sea. Why, if the new land is a fracment of the old -why does it not retain its old formation? What has become of the granite and the calcarrous denosits? How is it that these should all be changed into a mineral concrete with which we bays no

No doubt, it was a serious objection; for, however likely it might be that a most of the earth or being detacked would be secontric in its movements there was no probable reason to be allowed why the material of its substance should undergo so complate a change. There was nothing to account for the fortile shares, rich in venetation, being truenformed into rocks arid and barren beyond precedent. The lieutenant felt the difficulty, and exceed him.

solf unprepared to give at once an adequate solution; nevertheless, he declined to renounce his theory. He asserted that the arguments in foor of it carried conviction to his mind, and that he entertained no doubt but that, in the course of time. all apparently antagonistic observaturess would be explained so as to become consistent with the view he took. He was careful however to reshe it up.

derated that with respect to the original cause of the discontion he had no theory to effect and although he knew what expansion might he the result of subtoreuses forces he did not western to new that he considered it sufficient to produce so tremendous an effect. The origin of the catestrophe

as a pressem still to be solved.
"Ah! well." said Servader, "I den't know that it matters much where our new little planet comes from or what it is made of, if only it carries France

along with it." "And Bussis " added the count

"And Russia, of course," said Servadae, with a malite how There was, however, not much room for this

been brought into existence, it must be a sphere of extremely limited dimensions, and there could be little chance that it embraced more than the morest fraction of other France or Russia. As to Engload the total counties of all telegraphic correspond tool proof that Royland was havend its coroners.

And what was the true measurement of the new little world? At Gourbi Island the days and plobts were of sonal length, and this seemed to indicate tance by which the two roles stood aroust would be half what had been reclosed would be the distance completed by the Debrana in her circuit. That distaren had been already estimated to be seenthing under 1,400 miles, so that the Arctic Pole of their recently fashioned world must be about 350 miles to the north and the Astorotic short \$50 willed to the south of the island. Compare these calculations with the man, and it is at once amorest that the northernment limit harely touched the exact of Provence, while the southernmost reached to shout lat. 29" N. and fell in the heart of the dearer. The neutical test of these conclusions would be made by future investigation, but meanwhile the fact appeared very much to atrengthen the presumption that, if Lieutesant Procope had not arrived at the

whole truth, he had made a considerable advance.

towards it

the Doloysu into the creek, had been magnificent. The wind continued favorable, and now under both steem and cenves, she made a repli progress towards the north, a direction in which she was free to so in consequence of the total disappearance of the Spanish coast, from Gibraltar right away to Alleante, Malaga, Almeria, Cape Gata, Cartagena, Cone Pales all were cone. The sea was rolling over the southern extent of the peninsula, so that the warht advanced to the intitude of Soville before it sighted any land at all, and then, not shores such as the shores of Andalucia, but a bloff and precipitous cliff, in its prological features recepbling exactly the stern and barren rock that she had

coasted heward the site of Malto. Here the ass. made a decided indentation on the coast; it ran up in an acute-angled triangle till its oney enincided. with the very spot upon which Madrid had stood. But as hitherto the sea bad engrosched upon the sea; for a frowning hasdland stood out far inte the basin of the Mediterranean, and formed a promostory stretching out beyond the proper places

raised a thrill of canaral excitement by aboutlor. Here, then, at length was a communication from the outer world. Surely your they would find a deep meet which would throw some light oven all the mysteries that had harmonoi? Had not the day now dawned that should set their speculations all

"A bottle in the sea!"

at rest? It was the morning of the 21st of Pebruary. The

was the intersent interest awakened to determine

whether any matter could be traced of Materia

deviation from the direct course for the current of

count, the captain, the Bestemant, synrybady harried to the forecastie; the schooner was desterously not about, and all was eager impationce until the sunmound heattle was handed on dock-It was not, however, a bettle; it wrowed to be a

round leather telescope-cone, about a foot long, and the first thing to do before investigating its contests was to make a careful examination of the exterior. The lid was fastened on hy wax, and so necurely that it would take a long promerator before any water could renetwate: there was no makes's name to be dorlphered; but impressed very plainly with a seal on the way were the two initials "P. B."

When the scrutiar of the optside was festabed, the wax was removed and the cover opened, and the tern from a common note-book. The namer had an inscription written in four lines, which were remarkable for the profusion of notes of admiration and interrogation with which they were leter-"Gallia???

Chemin parcouru de leny, à thy, \$2,000,000 1, 1 I There was a general sigh of disappointment.

They turned the paper over and over, and handed it from one to another. "What does it all mean?" explained the court. "Something mysterious herel" said Servadae.

The weather, ever since the storm that had driven. "But yet," he continued, after a pause, "one thing is tolerably certain; on the 15th, six days ago, someone was alive to write it." "Yes: I presume there is no reason to doubt the appearancy of the date," assented the court.

To this strange conglomeration of French, English, Italian, and Latin, there was no signature attached; nor was there anything to give a clue as to the locality in which it had been committed to the waves. A telescone same would rephably be the property of some one on board a ship; and the Source obviously referred to the astronomical way.

ders that had been experienced. objected that he thought it unlikely that any one on heard a ship would use a telescope-case for this pursecure; and, accordingly, he should rather be toclined to believe that the message had been set afoat

he same sought left alone, perchance, upon some "But, however interesting it might be," observed the count. To know the author of the lines, to us

asstable.

it is of fer greater moment to ascertain their started, it would not have an orbit that must be mesning." immutable?" And taking up the paper again, he said, "Perhaps "Decidable it would, so long as it was undisturbed

we might analyze it word by word, and from its whole " "What can be the meaning of all that cluster of interpopations after Gallia?" asked Servadae. Lieutenant Procope, who had hitherto not anoken.

now broke his silence by saying, "I beg, gentlemen, to salmit my opinion that this document cose warr far to confirm my hypothesis that a fragment of the earth has been precupitated into space," Captain Servadae hesitated, and then replied.

"Even if it does, I do not see how it accounts in the least for the exological character of the new asteroid." "But will you allow me for one minute to take my supposition for granted?" said Procore. "If a new

little planet has been formed, as I imagine, by disintegration from the old, I should conjecture that Gallia is the name assigned to it by the writer of this paper. The very notes of interrogation are significant that he was in doubt what he should

"You would prevame that he was a Frenchman?" asked the count.

"I should think so," replied the lieutenant "Not much doubt about that," said Servadae: "it is all in French, except a few scattered words of English, Latin, and Stalian, inserted to attract attention. He could not tell into whose hands the

message would fall first." "Well then," sold Count Timeschoff, "we seem to have found a name for the new world we occupy." "But what I was going especially to observe," continued the Beutenant, "is that the distance,

59,500,000 learner, represents precisely the distance we carrelyes were from the sun on the 15th. It was on that day we crossed the orbit of Mars." "Yes, true," assented the others "And the next line," said the leastenant, after

reading it aloud, "apparently registers the distance traversed by Gallia, the new little planet, in her own orbot. Her speed, of course, we know by Kepler's laws, would vary according to her distance from the sun, and if she were—as I conjecture from the termerature at that dair-on the 15th of Janpary, at her peribelion, she would be traveling twice an fast as the earth, which moves at the rate of

between 50,000 and 60,000 miles as heer "You think then," said Servadae, with a smile. "you have determined the perihelion of our orbit; but how about the aphelion? Can you form a judement as to what distance we are likely to be car-

"You are asking too much," remonstrated the "I confere" said the ligatement. That that at present I am not able to clear away the uncertainty of the future; but I feel confident that by careful

cheerwation at various points we shall arrive at conclusions which not only will determine our path. but perhaps may clear up the mystery about our geological structure." "Allow me to ask?" said Count Timeschef "whether such a new asternod would not be subject to ordinary mechanical laws, and whether, once

by the attraction of some considerable body; but we must recollect that, compared to the great planets, Gallia must be almost infinitesimally small. and so might be attracted by a force that is irre-"Altogether, then," said Servadae, "see seem to have settled it to our arrive satisfaction that we must be the population of a young little world called Gallia. Perhans some day we may have the honor of being registered among the minor planets."

"No chance of that," quickly relained Lieutenant Procone. "These minor planets all are known to rotate in a narrow some between the orbits of Mars and Jupiter; in their pershells they cannot approximate the sun as we have done; we shall not

he classed with them." "Our lack of Instruments," said the count, "is much to be deplored; it haffles our investigations in OVERY WAY." "Ah, never mind! Keep up your courses, count?"

said Servadae, cheerily. And Lieutenant Procope renewed his assurances that he antertained good hopes that every perplexity would soon be selved

"I suppose," remarked the count, "that we cannot attribute much importance to the last line : Ve bene All richt!/ Portait!!! The contain answered "At least it shows that wherear wrote it had no murausring or complaint to make, but was quite content with the new order

of things." CHAPTER XVI

THE RESIDUUM OF A CONTINENT

Almost unconsciously, the voyagers in the Dobrune fell into the habit of using Gallin as the name of the new world in which they became aware they must be making an extraordinary excursion through the realms of space. Nothing, however, was allowed to divert them from their estensible object of making a survey of the coast of the Mediterrancen, and accordingly they persevered in following that singular boundary which had revealed it-

self to their extreme actonishment Having rounded the great promontory that had barred her farther progress to the north, the schooner skirted its upper edge. A few more lenrues and they ought to be abreast of the shores of France. Yes, of France.

But who shall describe the feelings of Ractor Servadec when, instead of the charming outline of his native land, he heheld nothing but a solid boundary of savage rock? Who shall neigh the look of constornation with which he good upon the stony rampart-rising perpendicularly for a thousand feet-that had replaced the shores of the amilian

south? Who shall reveal the hurning anxiety with which he throbbed to see herond that cruel wall? But there seemed no hone. Onwards and onwards the yacht made her way, and still no sign of France. It might have been supposed that Servadac's previous experiences would have prepared him for the discovery that the catastrophe which

had overwhelmed other sites had brought destruction to his own country as well. But he had failed waves of open reling over what once had been the leavily shores of Provenos, he was well-nigh frientle with desperation.

"Am I to believe that Gourbi Ieland, that little should of Alguria, constitutes all that is left of our givenous France? No, no! it cannot be. Not yet

glerous Frince? No, no! it cannot be. Not yet have we resched the pole of our new world. There is—there must be—something more behind that frowning rock. Oh, that for a moment we could scale its towering height and look beyond! By Heaven, I adjure you, let us disembark, and mount

Heaven, I adjure you, let us disembark, and mount the summit and explore! Frame lies beyond." Disembarkation, however, was an after impossibility. There was no semblance of a creek in which the Dobysus could find an archerings. There was no cutiying ruige on which a feeting could be sained. The precipies was perpendicular as a will,

In appears height covered with the same congloments of crystalfine lumble that had all sken been an pressured a feature.

With her steam at high peeture, the yealth made rapid pregress towards the east. The weather remanced perfectly fras, the temperature became gradnity cooler, so that there was little prospect of waves accessibilities in the stromenture and nothing

more than a few cirri, almost transparent velled been and there the clear sear of the sky. Throughout the day the pale may of the sm, apparently lessenced in the magnitude, eat only final and consentences of the magnitude of the same of the shores with augusting stillinery. Of the planets, shores with augusting stillinery. Of the planets, some, it was observed, seemed to be faining away in records distance. This was the case with Marr, Venus, and that unknown cell which was moving in the orbit of the miner planets; but Jujúcza, on the the orbit of the miner planets; but Jujúcza, on the Saturn was seguely in its leafer, and Upman, which

can pointed out by Lieuteners Procops Spinley, which to the maked eyr. The infection was two sinishe that Gallin was recoding from the uns, and travelling far soay across the planetary regions. On the 26th of February, after following the sinsum curses of what hefore the date of the exceptions had been the cost line of the department of Var, and ster a fruitbus source for Flybres, the pointenia of St. Treper, the Lirius Inlands, and the pointenia of St. Treper, the Lirius Inlands, and the guits of Clumes and Jouze, the Dodyne arrived

upon the side of the Cape of Astibos.

Hera, quilto manupoticity, the explorers made the discovery that the massive wall of cliff had been rank from the top to the bettern by a narrow ritt, like the dry bed of a monatania toereot, and at the base of the opening, level with the ass, was a little extrand upon which there was just space enough

bese of the opening, level with the sea, was a little etrand upon which there was just space conjecfor their best to be hauled up.
"May! [op?" abouted Servadae, half beside himself with extract; "we can land at lant?" Count Timancheff and the licutement were scarcoties impatient them the contain, and little needed

his urgest and reposted solicitations: "One onli-Quick! Came on in time to lose!"
It was half-past seven in the macening, when they set their foot upon this untried land. The bit of extend was only a few square yards in area, quite a narrow strip. Upon it might have been recogmined scate fragments of that egyptimishin oil yelmined scate fragments of that egyptimishin oil yel-

te — that is these which formed its size—were of the same hundriss formation to the entire court, at and had not hithere bece subject to the disaggreing the same hundriss for the same to the same of the same

eager to weit and examine these remnants of the

succent shore; they hurried on to scale the beights.

The narrow ravine was not only perfectly dry.

but manifestly had never been the bed of any moun-

tain torrent. The rooks that reuted at the bottom

never as yet been the channel of a stream, indisintions were not working this at some future time it would be the natural outlet of accumulated waters; for already, in many places, this layers of zone were glittering upon the surface of the fractuced rocks, and the higher the developing that we truck to the surface of the surface of the fractured rocks, and the higher the developing that creame is area and in depth.

"Here is a trace of fresh water, the first that Gullin has exhibited," and the court to his companions, as they tolled up the precipitons rath.

"And probably," regiled the licetenant, "as we ascend we chall find not coly snow but ice. We must suppose this Gallin of sours to be a sphere, and it is as, we must now be very close to her Arctli it is as, we must now be very close to her Arctli intitiod as to prolong day and night as at the poles of the search, but the rays of the sum must reach as here only very obliquely, and the old, in all likely bed, will be inference."

Sature near regords in the latter, and Ureaus, which inherits had been interpretable without a theoretes was pointed out by Liestenant Process, painty tending to the maked syn. The interprets was irrestable to the maked syn. The interprets was irresistible that Gallas was recoding from the our, and providing far sway acreas the plasmater regions.

and air are not."

"And what temparature may that be?" inquired
the captain with a shadder.

"Pourier estimates that even in those vast unfathoushlie tracts the temperature never descends
tower than 50° below never," said Process.

fathomable tracts the temperature never descends lower than 60° below zero," said Procope. "Sixty! Sixty degrees below zero!" cried the count. "Why, there's not a Russian could endure it?"

it. "I beg your perden, count. It is placed on resord that the English koses survived it, or comething the suits approximate, upon their Arctic expeditions, of When Captains Parry was on Melville Island, he hower the thermometer to fall to —66," said

the ascent fatiguing. Before they had ranched an altitude of 600 feet they noticed a sensible dimination of the temperature; but neither coid nor fatigue deterred them, and they were recoived to purseven. Portunately, the deep ettie or furows in the enriface of the rocks that made the bettem

"Orbe fronto, sues illores," continued the count-"Though the world be shattered, hope is unim-Servadas smiled faintly, and walled that he felt rather compelled to take up the despairing cry of Dante, "All hope abandon, we who enter here." "Nex. not so," anywered the count: "for the rereent at least, let our maxim be Nil desperondum?" CHAPTER XVII

Raperly and anxiously did they look around. To the south there was nothing but the sea they had traversed; to the porth, nothing but one drear, in-Servadae could not suppress a cry of dismay.

the summit of the chill.

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Where was his belowed France? Had be existed this with ice and snow, and reaching interminably to the far-off bortson? His heart suck within him. The whole region appeared to comint of nothing but the same strange, uniform mineral conglemerate cevatallizad into regular bezagonal prisms. But whatever was its geological character it was only

too ovident that it had entirely replaced the former Europe could be discerned. The lovely scenery of Provence, with the grace of its rich and undusting landscape; its gardens of citrons and oranges rising tier upon tier from the deep red soil-all, all had vanished. Of the verstable kingdom, there was not a single representative; the most meager of Arctic plants, the most insignificant of lichens could obtain no hold upon that stony waste. Nor

did the animal world assert the feeblest sway. The mineral kingdom resgned supreme. contrast to his general hilarity. Silent and tearful. he stood poon an (co-bound rock, straining his eyes across the boundless vists of the mysterious territory. "It campot be!" he exclaimed. "We must somehow have mistaken our hearings. True, we have encountered thus borrier; but France is there beword! Yes, France is there! Come, count, come! Ry all that's witiful I entreat you come and ex-

plore the farthest verge of the ice-bound track!" He numbed onwards along the rarged surface of to a sudden pause. His foot had come in contact with something hard beneath the snow, and, stooping down, he picked up a little block of stony substance, which the first glance revealed to be of a peological character altogether alies to the univertal rocks around. It proved to be a frarment of discolared marble, on which several letters were

inserthed, of which the only part at all decipherable was the syllable "Vil" "VII-Villa!" he oried out, in his excitement dropping the marble, which was broken into atoms

by the fall What else could this fragment be but the sole that once had stood on this unrivated site? Was it not the residue of some edifice that had enouned the luxuriant headlands of Antihea overlooking Nice, and commanding the corpects nancrama that embraned the Muritime Alox and reached heread Monaco and Mentone to the Italian height of Borconvincing testimony that Antibes itself had been upon the shattered searble, pensive and dis-

beartened

A SECOND ENSUMA Upon re-embarking, the bewildered explorers becan to discuse the question whether it would not

Island, which was apparently the only spot in their new world from which they could hope to derive their future sustenance. Captain Servadar tried to console himself with the reflection that Gourbi Island was, after all, a fragment of a French colony. and the plan of returning thither was on the point of being adopted, when Lieutenant Processe remarked that they ought to remember that they had

not hitherto made an entire circuit of the new aboves of the sea on which they were sading "We have," be said, "neither investigated the porthern above from the site of Care Antibes to the strait that brought us to Gibraltar, nor have we followed the southern shore that stretches from the strait to the Gulf of Cohes. It is the old coast. and not the new, that we have been tracing; an yet, we cannot say positively that there is no outlet to the south; as yet, we cannot assert that no ossis of the African desert has escaped the estartroobe. Perhaps, even here in the porth, we may find that Italy and Sirily and the larger islands of

the Mediterranean may still maintain their exist-"I entirely concur with you" said Ownt Timescheff, "I quite think we ought to make our survey of the confines of this new basin as complete as possible before we withdraw."

Servadac, although he acknowledged the justness of these observations, easily not bein aleading that the explorations might be deferred until after a visit had been paid to Gourbi Island. "Denend upon it, eantain, was are wistaken."

replied the lieutenant; "the right thing to do in to use the Debrysa while she is available." "Available! What do you meen?" asked the

count, comewhat taken by surrelse "I mean," said Procope, "that the further this Gallia of ours recedes from the sun, the lower the temperature will fall. It is likely enough, I think, that before kny the see will be frozen over and navigation will be impossible. Already you have

learned semething of the difficulties of traversing a field of ice, and I are sure, therefore, was will acquiesce in my wish to continue our conforations while the water is still oren." "No doubt you are right, lieutenant," said the involved in the creat destruction? Servadac cased

count. "We will continue our search while we can for some remaining fragment of Europe. Who shall tell whether we may not meet with some more con-

Count Timzscheff Isid his hand kindly on the vivors from the estastrophe, to whom it might be captain's shoulder, and said, "My friend, do you in our power to afford assistance, before we go into our winter quarters?" not remember the motto of the old Hone family?"

Generous and altogether unsuffish as this sentiment ready was, it was obviously to the general interest that they should become acquateful, and homes inhabitest who might be shrings there contrange destiny in better relied away upon a newplased into the infinites of space. All difference of rice, all distinction of automothy, want he than the state of the state of the state of the state of rice, all distinction of automothy, want he they were the sole surviving representatives of a toward which is seemed exceedingly improbably that they would see we surviving representatives of a

gas to loure that their attends hould at least have a united and sympthings opposition. It was on the 28th of February that the yacht left the little ered in which she had ulter refuge, an ociting off at full observed activated, she continued her way slaugh the northern above. A brisk breeze tooled to increase the increases of the temperature, the thermocrete being, on an asseng, about two degrees below zero. Solt water freezes only at a breeze languration than Feshy the owner of the

oxide are the consosied that there was the greeties executive to meanism the unione probles speed. Consider the control of the desired problem of the obscut, the consoliations glosmed forth with usdistingtion of the control of the control of the form mentical considerations, neight regreet the absence of the most, be could not do observing them seemed for most of the could not do observing them as must avoken the exhibition of an astronome, and the could be control of the could be also also as the same that avoken the exhibition of an astronome, that is the composite for the loss of the smoothest of the shower of failing stars, for exceeding, both in sumalower of failing stars, for exceeding, both in sum-

meteory in fact, Gallis was possing through that measure in which is known to lie exterior to the earth's orbit, but almost conomitric with it. The rocky coast, for mostfill surface reflecting the glow of the dashing luminaries, appeared literally stipples with light, while the sax, as though spattered with theming hallocore, throw with a phesphereword of the same and the same of the same and the every was the proof at whith Gallis was receding from the star, that this mateoric sterm latted searcely more than four and twenty hours.

arroaded by a long projection of lead, which obliged her to turn southwests, and is he readed what formerly would have been the southers extremity of Caresias. Of this, however, there was now no trace; the Straid of Bonfanio had been replaced by a west expanse of waier, which had at first all lies appearance of being utterly desert; but on the following merring the explorers unespectedly slighted in 8this 1888, which, usless it shrid grows, as was only bee flastly, but of recent origin they contribed.

ermost territory of Sardunia.

The Debryms approached the land as nearly as was greatest, the boat was lowered, and in a few minutes the count and Serradae had landed upon the labe, which was a more plot of meadow land, not much more than two acres in actent, detted here and there with a few more lebels bushes and lentilate.

void of living creature, they were on the point of

returning to their boot, when their attention was

of lentials. Here a fittle girl, swen or eight years of aga, with rish brown hair and latteres and expectation of aga, with rish brown hair and latteres and expectation of again which the property discovering techniques the transless. Approach discovering techniques the superior of the strangers to excite been apprehensions, the child analonity parand confidence, duried forwards with outstretched hands, and in a view, and and subdiscover as the larguage which he spoke, said in this and the subdiscovering the subdiscoveri

n indeed; we will be your friends; we will take care h of you."

And after a few moments' scruticy of the pretty maiden, he added:

"Tell us your name, little one."

"Tell us your name, little one."
"Nina!" was the child's reply.
"Well, then, Nina, een you tell us where we

"At Madsiens, I think," said the little girl; "at least, I know I was there when that dreadful shock came and altered everything."

The ocust inver that Madates was close to Cupera, to the north of Starlinia, which had entirely disappeared in the disaster. By disat of a series of upcarinos, he gained from the chifd a very included the starling of the chifd and the chifd of the that the had no parents, and had hese employed in taking zero of a food of goods obburging to one of the budderson, when one day, all of a stables, and the budderson, when one day, all of a stables, had been swall-beed up, and that she and later, had been swall-beed up, and that she and Marry, her pet good, had been left quite abone. She would not bought at after the base bors very fright-

y shake any more, the had thanked the great God, and had seen and berreff very happy fiving with Martiny. She had enough took, ahe said, and had been waiting for a bost to fetch her, and now a beat had come and she was quite ready to go away; only 4, they must let ber goat go with her: they would both illes so much to get hack to the old from;

"Here, at least, is one rice little inhabitant of Gallfa," said Captain Servadae, as he careased the child and conducted her to the bost. Half an hour later, both Nizs and Marxy were

we called and constructed her to the boot.

Half as hour later, both Nira and Marry were
d, nafely quartered on board the yarhi. It is needless
to say that they received the heartlest of welcomes.

The Russian satisfar, ever accorditions, seemed al.

most to rarard the coming of the child as the appearance of an angel; and, incredible as it may seam more than one of them wondered whether sha had wisers, and amonest themselves they commonly referred to her as "the little Madento. Soon out of sight of Madalena, the Debryna for some hours held a southmaterly course along the

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abore, which here was fifty leagues in advance of the former coast-line of Italy, demonstrating that a new continent react have been formed, substituted as it were for the old peninsula, of which not a vestige could be identified. At a latitude corresponding with the latitude of Rome, the sea took the form of a deep guif, extending back far beyond the site of the Eternal City; the coast making a wide sweep round to the former position of Calabris, and jutting far beyond the cutline of "the boot," which Italy resembles. But the beseen of Measing was not to be discound; no truce, indeed,

survived of any portion of Sicily; the very peak of Etna. 11.000 feet as it had reared itself above the level of the sea, had vanished atterly Another sixty leagues to the south, and the Dobrung sighted the entrance of the strait which had afforded her so providential a refuge from the tempest, and had conducted her to the fragmentary relic of Gibraltar. Hence to the Gulf of Cabes had heen already explored, and as it was universally allowed that it was unnecessary to renew the search in that direction, the lieutenant started off in a transverse course, towards a point hitherto uninvestigated. That point was reached on the 3rd of March, and thence the coast was continuously followed, as it led through what had been Tunis, across the province of Constantine, away to the oasis of Ziben; where, taking a sharp turn, it first reached a latitude of 32" N, and then returned again, than forming a sort of irregular gulf, enclosed by the sams unvarying horder of mineral concrete. This colossal boundary then stretched away for nearly 150 leagues over the Sahara desert, and, extending

Morocco bad still existed, would have been its Adapting her course to these deviations of the coastline, the Dobryos was steering northwards, and had harely reached the limit of the bay, when the attention of all on board was arrested by the phenomenon of a volcano, at least 3,000 feet high. its evoter evouved with smoke, which occasionally was streeked by tongues of forms. "A burning mountain!" they evolutured.

natural frontier.

voyage."

"Gallia, then, has some internal heat," said Servadae. "And why not, captain?" referred the Bestenant.

"If our asteroid has carried with it a portion of the old earth's atmosphere, why should it not likewise retain something of its central fire?" "Ah, well?" said the captain, shrugging his and, went' said the captain, strugging his shoulders. "I dare ony there is caloric enough in our little world to supply the wants of its rousin-

tion." Gount Timaschoff interrupted the silence that followed this conversation by saving, "And now, gentleman, as our course has brought us on our way once more towards Gibrakar, what do you say to our renewing our acquaintance with the Englishman? They will be interested in the result of our

"For my part," said Servadar, "I have no desire that way. Thay know where to find Gourts Island; they can betake themselves thither just when they please. They have planty of provisions. If the water freezes, 120 learnes is no very great distance. The recention they cave us was not so cordial that we need put ourselves out of the way to repeat our visit." "What you say is too true," replied the count.

"I hops we shall show them better manners when they cordspond to visit us." 'Ay," said Servader, "we must remember that we are all one people now; no longer Russian, French,

or English. Nationality is extinct."
"I am sailly afraid, however," continued the count, "that an Englishman will be an Englishman "Yes," cald the captain, "that is always their

And thus all further thought of making their way again to the little garrison of Gibrultar was But even if their spirit of courtesy had disposed them to renew their acquaintance with the British officers, there were two circumstances that just thus would have rendered such a proposal very inadvisable. In the first place, Lieutenant Procope

was convinced that it could not be much longer now before the sea would be entirely frozen; and besides this, the consumption of their coal, through the sneed they had maintained, had been so great that there was only too much reason to fear that fuel would fail them. Anyhow, the strictest econover was necessary, and it was amordingly reading that the voyage should not he much prolonged. Bewould the volcanic peak, moreover, the waters seemed to exceed into a boundless ocean, and it might be a thing full of risk to be frozen up while the wacht a tring ran or risk to he from up was the years was so inadequately provisioned. Taking all these things into account, it was agreed that further in-vertigations about the deferred to a more favorable season, and that, without delay, the Dobryno should return to Gourbi Island. This decision was especially welcome to Hector. Servadae, who, throughout the whole of the last

five weeks, had been agitated by much anxious thought on account of the faithful servant be had The transit from the volcano to the island was not long, and was marked by only one noticeable incident. This was the finding of a second mysteri-

ous document, in character precisely similar to what they had found before. The writer of it was evidently engaged upon a calculation, probably continged from day to day, as to the motions of the planet Gallia upon its orbit, and committing the results of his reclamings to the waves as the channel of communication

Instead of being enclosed in a telescope-case, it was this time secured in a preserved-most tin, bermetically scaled, and stamped with the same initials on the wax that fastened it. The greatest contain the following message:

"Gellie (7) Ab sole, au 1 mars, dist. 78,000,000 1 Chemin percoura de fév. à mars: 59 aon.con 1 f. Va bene! All right! Nil desperandons! Enchanté!"

"Another enigma?" exclaimed Servados, "and bed wondered how his present vicinsitudes would still no iritiligable signature, and so address. No end, and he had felt serce mingrivings as to whether classing us of the myster?" be the bubble sere main set foot upon the islands, and

"I have no doubt, in my seen mind," said the count, "that it is one of a series. It seems to me probable that they are being sent breakenst upon the sea."

"I wender where the hart-trained sount that writes then can be living?" observed Servador. "Very likely he may have not with the fate of Emoph abstracted astrocomer, who found himself at the bottom of a well." "Aye; but where is that well?" demanded the

captain.

This was a question which the count was incapable of settling; and they could only speculate
afresh as to whether the author of the riddles was
dwelling upon some actifutary inland, or, like them-

cencionosis first, that whereas, in the mench of January, the distance traveled by the plants (type-lanuary, the distance traveled by the plants (type-lanuary, the distance traveled is February was only 8,000-800 (longues-a difference of 22.000,000 lengues in one month; secondly, that the distance of the plant from the sam, which as the distance of the plant from the sam, which as the on the list of North-71,000,000 lengues—an increase of 23,000,000 lengues in a fortispial, Tima, in properties as Gallia receifed from the sim, so did the rate of good distance is properly than the properties of the same of the sa

her cent; naces to a conserve in parter centranity with the known less of celestial mechanism.
"And your inference?" saled the count.
"My inference," replied the licutenatt, "its a confernation of my surmine that we are following an orbit decidedly elliptical, although we have not yet the material to determine its occurricity."

"As the writer athers to the appellation of Gallis, do you not think," asked the count, "that we might call these new waters the Gallian Seat" "There can be no reason to the contrary, count," replied the Reutenut; "and as used I will insert

replied the Besteamt; "and as such I will insert it upon my new chart."
"Our freed," said Servadae, "seems to be more and more gratified with the condition of things; not only has be adopted our motio, "Nif despensadues," but now how cuthouthattically be has wound

up with his 'Enchanter' "

The conversation dropped.

A few hears later the man on watch announced

that Gourbi Island was in sight.

AN UNDERFOUND POPULATION

THE Debuyses was now back again at the island.

Her cruise had lasted from the Sist of January to
the 6th of March, a period of thirty-fire days (for
it was long year), corresponding to assumely days
as accomplished by the new little world.

Marry a time during his absence Hector Servador

appreheasient were presentions; Gooch Island was just so he had fett in, with necking susceal in its appet, compt that a very possible cloud was hereing over it, at an altitude of hitles more than a hundred feet. As the yeath approached the sheet, this cloud appared to vise and fall as it need upon by its in the contract of the contract of the contraction of the contract of the contract ing it executing, perceived that it was not an accumulation of vapors at all, but a decree mass of birds packed as closely together as a swarm of herrings, and uttering dataering and discordent gries, armited

see his faithful orderly, so that it was not without

sole remaining fragment of Algerian soil. But his

and other ing darkening at discordent cries, and which from time to time the roise of the report of a gun could be plainly distinguished.

The Debryss signalized her arrival by firing her carmen, and dropped ancher in the little part of the Shelf. Almost within a minute Ben Zout was sent running, sum in hand, towards the shere; he cleared and the shere is the shere of the shere is the shere of the shere is the shere in the shere in the shere is the shere is the shere in the shere is the shere is the shere is the shere in the shere is the shere is the shere is the shere in the shere is the shere is the shere in the shere is the shere is the shere in the shere is the shere is the shere in the shere is the shere is the shere is the shere in the shere is the shere i

tionless, his eyes fixed, as if obeying the instructions of a drill engreat, an a point secon efficer yards distant, his whole stitude indicating submission and respect; but the sight of the captain, mission and respect; but the sight of the captain, and derring forward, he sciend his massier's hand and convered it with kines. Instead, however, of uttering any expressions of welcome or rajdeings of the most velocities of the control of the her most velocities of sciences.

"Thieves, captain! beastly thieves! Bedouins! pirates! devils?"
"Why, Ben Zood, what's the matter?" said Ser-

"Why, Hen Zood, what's the matter?" said Servashe socitingly.
"They are thieven! downright, desperate thieven! those infernal lurds! That's what's the matter. It is a posel thing you have come. Here have I for a whole menth been spending my promer and shot

upon them, and the more I kill then, the were they get; and yet, if I were to leave them abone, as should not have a grain of core upon the island."

It was some evident that the orderly had only to much cause for alarm. The crops had riperad rapidly during the excessive heat of January, when the orbit of Gillia was beine traversed at its nern-the orbit of Gillia was beine traversed at its nern-

of many theosants of birds; and although a goody number of stacks attested the industry of Ben Zoel during the lims of the Dobynes's vogang, it was ealy to appearent that the portion of the harvest that reasoned sugathered was Eable to the most imminent risk of being utterly devoured. It was, perhaps, only natural that this clustered masse of

imminent risk of being utterly devoured. It was, purhaps, only natural that this clustered mass of birels, as representing the whole of the feathered to the upon the surface of Gallis, should reserve Geurch Island, of which the meadows seemed to be the only apot from which they could get sustemance at all; but as this nationence would be obtained at all. put as this nationence would be obtained as

the expense, and probably to the serious detriment, of the human population, it was absolutely necessary that every possible resistance should be made to the devantation that was threatened.

to the devantation that was threatened.

Once satisfied that Servadae and his friends would encourate with him in the vaid unon "the thieres."

Hen Yord become colm and content and beauti to could then be obtained: it would therefore he seems. make various inquires. "And what hes become." sary, if the exact duration of Gallia's year should he said, "of all our old comrades in Africa?" ever be calculated, to promoction the number of "As for on I can tell non" exampled the contain animals to be reserved to the real length of the "As far as I can tell you," answeren the captuin,
"they are all in Africa still; only Africa isn't by The next thing requisits was to arrive at a true

any manny where we expected to find it." "And Person! Montmarter?" continued Ban Zeof correly. Here was the cry of the near fellow's

As briefly as he could, Serveduc endeavoyed to evenium the true condition of thines: he tried to communicate the fact that Paris Prance Parents ney, the whole world was more than sighty millions of learner owner from Gorebi Island: as orretty and

coutleasts as he could be expressed his fear that they might never see Europe, France, Paris, Meet-"No. ro. sir!" wrotested Ban Zoof emphatically: "that is all november. It is altogether out of the

question to suppose that we are not to see Montmartre again." And the orderly shook his head resolutely, with the air of a man determined, in spite of argument, to adhere to his gwa opinion. "Very great my brown fellow," regited Servadar.

Those on home while you may. The meanure homcome to us over the sea. 'Never despoir's but one thing pararthalans is curtain; we must forthwith commence arrangements for making this island our permarent home."

which, he his serrunt's exertions, had been entirely rebuilt. and here he did the honors of his readest establishment to his two guests, the count and the Sectionant, and gave a welcome, too, to little Ning. who had necommented them on above and between when and Ben Zoof the most friendly relations had

olyondy been entablished. The adingent hallding continued in mand preserve. tion, and Captain Servadac's actisfaction was very great in finding the two burses, Zephyr and Galette.

party proceeded to a general consultation as to what stors must be taken for their future welfare. The most recasing matter that come before them was the consideration of the means to be adopted to enable the inhabitants of Gallia to survive the terrihis cold, which, in their ignerance of the true eccentricity of their orbit, might, for aught they knew, last for an almost indefalte period. Fuel was far from abundant; of coal there was none; trees and shruts were few in number, and to cut them down to proppert of the cold second a very questionable policy; but there was no doubt that scene expedient rough be devised to present disnoter.

The victualing of the little colony offered no immediate difficulty. Water was abundant, and the cisterns could hardly fall to be replenished by the numerous atreams that meandered along the plains; regresser, the Gallier See would are long be from over, and the melted lee, (water in its congealed state being diensted of every norticle of sait) would afford a supply of drink that could not be exhausted. The crops that were new ready for the harvest, and the fireke and hards seattered over the island, would form an ample reserve. There was little doubt that throughout the winter the soil would remain unproductive, and no fresh folder for demestic animals

estimate of the number of the someletion. Without including the thirteen Englishmen at Cibralian. about whom he was not particularly disposed to else bireast much concern at present, Sarvadar nut down the names of the eight Russians, the two Pronchage and the little Italian old slowe in all so the entire list of the inhabitants of Gourbs ha-

"Oh, nardon me," interposed Ben Zoof, "you are reintaking the state of the case altogether. You on the island is double that. It is twenty-two." "Daught dwn!" exclaimed the centain: "Iwentytwo people on this island? What do you mean?"

"The apportunity has not occurred," answered Ben Zeof, "for me to tell you before, but I have had "Euplaim vegrealf. Ben Zoof," sold Servulae. "What company have you had?"

"You could not suppose," replied the orderly, "that my own unessisted bards good have notice, plished all that harvest work that you see has been done." "I confers," said Lieuterant Procops, "we do

not seem to have noticed that." "Well, then," said Ben Zoof, "if you will be good enough to come with me for about a mile, I shall he able to abow you my companions. But we must tales our gens." "Why take our guns?" saked Servedac, "I hope

we are not going to fight." "No not with man" said Ren Youf- Must it does not answer to throw a chance away for giving battle to those thieres of birds." Leaving little Nina and her goat in the goarhi, comfortably housed in there and in good condition. After the enjoyment of some refreshment, the Servadac, Count Timescheff, and the lieutenant,

greatly mystified, took up their gans and followed the orderly. All along their way they made unaporing almoster of the hirds that hovered over and around them. Nearly every species of the foothered tribe seemed to have its representative in that living cloud. There were wild ducks in thousands; snipe, larks, rooks, and swallows; a countless variety of sea-birds-widgeons, guils, and seamens: beside a quantity of game-quals, partridges, and woodcocks. The sportsmen did their best; every shot told; and the descretators fell by dozen on

Instead of following the northern shore of the island, Ben Zoof out obliquely across the pinin. Making their progress with the unwouted rapidity which was attributable to their specific lightness. near a grove of sycamorer and escaleptan massed

either band.

in micturescop confusion at the base of a little bill. "Ab! the varabonds! the rescale! the thiswa?" auddealy exclaimed Ben Zoof, stamping his foot

with rear. "How now? Are your friends the birds at their pranks again?" asked the captain. "No. I don't mean the hirds: I mean those larr hereure that are ablifulny their work. Look here-

you to see justice donn!"

The captain glanced inquiringly towards Ben

Zoof, and the orderly, by a significant nod, made

his master understand that he was to play the part

that was implied by the title. He took the one, and

promptly ordered the Jew to hold his tongue at

once. The man bowed his head in service submis-

of about fifty, but from his amearance might well

have been taken for at least ten years older. Small

and skings, with even bright and curning, a booked

nose, a short yellow beard, unkempt hair, huge feet,

and long bony hands, he presented all the typical

characteristics of the German Jew, the heartless

wilr usurer, the hardened miner and skinflint. As

iron is attracted by the magnet, so was this Shy-

lock attracted by the sight of gold, nor would he have hesitated to draw the life-blood of his credi-

His name was Issue Hakkshot, and be use a no.

tive of Cologne. Nearly the whole of his time,

however, he informed Captain Servadar, had been

anest upon the see, his real huniness being that of

a merchant trading at all the ports of the Med

iterrances. A tarten, a small years of two handred tons burden, conveyed his entire stock of merchan

dise, and, to say the truth, was a sort of floating

emporium, conveying nearly every possible article of commerce, from a lucifor match to the radiant

fabrics of Frankfort and Enical. Without wife

or children, and having no nottled home. Issue Bak-

kabut lived almost entirely on board the Hansa, as

he had named his tartan; and engaging a mate, with

tors, if he such means he could secure his claims,

Servadae surveyed him injurely. He was a man

sion, and folded his hands upon his breast

to some stythes, and sickles, and other involvements of hasbandry that had been left upon the ground. "What is it you mean?" asked Servadac, getting somewhat imputiont. "Hush, hush! listen!" was all Ben Zood's reply; and he raised his finger as if in warning,

Listening attentively, Servadac and his associates could distinctly recognize a human voice, accompanied by the notes of a guitar and by the measured

click of castanets. "Spaniards?" said Servadac. "No mistake about that, sir," replied Ben Zoof; "a Speniard would ruttle his castonets at the connon's mouth."

"But what is the meaning of it all?" asked the captain, more pussed than before. "Hark!" said Ben Zoof; "it is the old man's turn."

And then a voice, at once gruff and harsh, was heard vociferating, "My money! my morey! when

will you pay me my money? Pay me what you own me, you miserable moios." Meanwhile the sour continued:

"Tu candanga y sigarro, Y som cama de Jerez, Mi jasseloo w sen trabuca.

Servadso's knowledge of Guscon enabled himpartially to comprehend the rollicking tenor of the Spanish patriotic sir, but his attention was again arrested by the voice of the old man growling pay-

agely, "Pay me you shall; yee, by the God of Abraham, you shall pay me."

"A Jew?" exclaimed Servadae. "Av. sir. a German Jew." said Ben Zoof. The party was on the point of entering the thicket, when a singular spectacle made them pours. A erous of Spaniards had just become descine their national fundamen and the extraordinary lightness which had become the physical property of every object in the new planet made the dancers bound to

a height of thirty feet or more into the air, considerably above the tops of the trees. What followed was irresistibly comic. Four sturdy major had dragged along with them an old man incapable of resistance, and compelled him, noticus volens, to and discovering above the bank of foliage, their systema estitudes combined with the nitiable countenance of their helpless victim, could not do otherwise than recall most forcibly the story of

Sancho Parma toosed in a blanket by the merry drapers of Segovia. Servadae, the count, Procope, and Ren Zoof now proposaled to make their way through the thicket until they came to a little clade, where two men were stretched idly on the grass, one of them playing the guitar, and the other a pair of custanets; both were exploding with innehter, as they ureed the performers to greater and yet greater exertions in the dance. At the sight of strangers they paused in their music, and simultaneously the dancers. with their victim, alighted gently on the sward Breathless and half exhausted as was the Jew be rooked with an effort towards Servadao, and

exclaimed in French, marked by a strong Toutonic accent, "Oh. my Lord Governor, help me, help!

These reseals defraud me of my rights; they reb

On the eventful night of the 1st of January the

a corw of there men, so being adequate to work so light a craft, he cruised along the coasts of Algeria, Tunis, Egypt, Turkey, and Greece, visiting more over, most of the barbors of the Levent. Careful to be always well supplied with the products in most general demand-coffee, spray, rice, tchaceo. cotton stuffs, and gunpowder-and being at all times ready to barter, and prepared to deal in seevable wealth

condhand wares, he had contrived to amous consid-Hanna had been at Couts, the roles on the coast of Morocco exactly opposite Gibraltar. The mate and three sailors had all gone on shors, and, in common with many of their fellow-creatures, had entirely disappeared; but the most projecting rock of Couts had been undisturbed by the general entastrophe, and half a score of Spaniards, who had happened to be upon it, had escaped with their lives. They were all Andalusian major, agricul tural laborers, and naturally as careless and apa thetic as men of their class usually are, but they could not belo being very considerably embarroaned when they discovered that they were left in soli-

tude upon a detached and inolated rock. They took what mutual counsel they could, but became only more and more perplexed. One of them was ramed Negrete, and he, as having traveled semewhat more than the rest, was tacitly recognized as a sort of

leader; but although he was by far the most enlightened of them all, he was quite incapable of forming the least conception of the nature of what had occurred. The one thing upon which they could not full to be conscious was that they had

no prospect of obtaining provisions, and consequ by their first business was to devise a scheme for getting away from their present abode. The House was lying off shore. The Spaniards would not have

AMAZING STORIES

this," he said.

at present imagine."

had the absolutest henitation in summarily taking regarding of her, but their after inversers of seamanship made them rejuctantly come to the courts. sion that the more prudent policy was to make terms with the owner.

And now eams a singular part of the story. Negreto and his compenious had meanwhile reonixed a visit from two English officers from Gibraltar. What possed between there the Jew did not know he only know that immediately after the ownclusion of the interview. Nearete came to him and ordered him to set sail at once for the nearest point of Moronco. The Jew afraid to dispher, but with his eye ever upon the main chance, stipulated that at the end of their varage the Spaniards should pay

for their passage-terms to which, as they would to any other, they did not derour, knowing that they had not the ellichtest intention of giving bim a The Hanna had weighed eachor on the fird of Rebrustry. The select bless from the usest and consequently the working of the tartan was easy stough. The unpracticed sailers had only to hoist

their soils and though they mere suits presentation of the fact, the breeze carried them to the only spot upon the little world they occupied which could atford them a refuge. Thus it fell out that one morning Ren Zoof, from

My brokent on Carabi Island saw a ship not the Delruns, appear onen the horizon, and make quietly down towards what had formerly been the right

Such was Res Zoof's version of what had cocurred, as he had gathered it from the pere-comers, He wound up his recital by remerking that the carro of the House would be of immense service to them; he expected, indeed, that Issue Hakkabut would be difficult to manage, but considered there could be no harm in appropriating the goods for

the common welfare, since there could be no opportunity pay for selling them. Ben Zood added, "And so to the difficulties betunes the Jew and his passengers. I tald him that

the governor general was absent on a topy of inspecture, and that he would see everything equitably Smiling at his orderly's tactics, Servadao turned to Hakknbut, and told him that he would take care

that his civines should be July investigated and off proper demands should be paid. The man appeared satisfied, and, for the time at least, designed from his complaints and impartunities

When the Jew had retired. Count Timuscheff asked "But how in the world can you ever make those fellows may anything?"

"They have lots of money," said Ben Zoof, "Not likely," replied the count; "when did you ever know Spaniards like them to have lots of

"But I have seen it moved," said Ben Zoof; "and it is English money." 18 Angusa money." again reverted to the extersion made by the colone and the major from Gibraltar, about which they had of France, Russia, Italy, Spain, and Russiand. Reen. Germany may be said to have a representative in "And even in him," said Servadee, "nerhans we shall not find so indifferent a representative as we CHAPTED TIT

been so reticent. "We must inquire more about

"Altorethes I think the countries of Europe are

only a fragment of a world, but it contains natives

fairly represented by the normation of Gallia

the nerson of this miserable Jew."

Then, addressing Count Timourhell, he added.

"True, contain," anyward the court: "we have

GALLIA'S GOVERNOR GENERAL

The Spaniards who had arrived on board the Heres consisted of nice men and a led of twelve years of age, named Pable. They all received Cantain Servadac, whom Ben Zoof Introduced as the

covernor concret, with day respect, and returned anishin to their converts tooks. The exectals and his friends, followed at some distance by the sager Jew. soon left the clade and directed their steps towards

the coast where the House was record As they work they discussed their situation. As far as they had asperisined, except Gourbi Island. the sale supplieds a functionate of the Old World were

four small islands: the bit of Gibraltar occurried by the Englishmen; Ceuts, which had just been left by the Spaniards; Madelens, where they had nicked um the little Italian girl; and the nite of the terch

flee, which congressly converted about madelf of the Mediterranean, the whole being encompassed by a barrier like a framework of precipitous cliffs.

of an origin and a substance althe unknown. habited: Gibraltar, where the thirteen Englishmen were amply provisioned for some years to come, and their own Gourbe Island. Here there was a population of twenty-two, who would all have to

naturally sensor the various provinces of the coll. It was indeed not to be forgotten that, perchance, troop some remote and undiscovered late there might be the solitary writer of the resisteriess parent which they had found, and if so, that would raise the

census of their new asteroid to an apprepate of thirty-six Even upon the supposition that at some future date the whole population should be compelled to

units and find a posidence upon Courts Telenal there did not appear any reason to question but that sight bundred sores of rich soil, under good management, would yield them all an ample sus-

tenance. The only critical matter was how long the cold season would last; every bone depended upon the land again becoming productive; at present, it seemed impossible to determine, even if Gallia's orbit were really elliptical, when she would reach her exhalion, and it was consequently neces-

sary that the Gallians for the time being should ruckon on nothing beyond their actual and present These resources were, first, the provisions of the Dobruse, consisting of recogreed most, snear wine.

a grim elemificance.

which, sooner or later, the owner, whether he would or not, must be compelled to surrender for the comanimal and vegetable, which with proper economy might be made to last for a considerable period. In the course of the conversation, Count Timaschaff took an opportunity of earing that, as Captain Servadac had already been presented to the

Spaniards as governor of the island, he thought it advisable that he should really assume that position. "Every body of men." he observed, "room have a head, and you, as a Frenchman, should, I think, take the command of this fragment of a French colory. My men Lean answer for it are quite necpared to recognize you as their superior officer."

"Most unhesitatingly," replied Servadae, "I socept the post with all its responsibilities. We understand each other so well that I fell sure we shall try and work together for the common ened; and even if it he our fate never again to hehold our follow creatures. I have no misgivines but that we

shall be able to cope with whatever difficulties may he before us As he stoke, he held out his hand. The count took it, at the same time making a slight bow. it was the first time since their meeting that the two men had shoken hande; on the other hand, not o single word about their former rivalry had ever

escaped their lips; perhaps that was all forgotten The silence of a faw moments was broken by Servadae saying, "Do you not think we ought to explain our situation to the Scentants?"

"No, no, your Excellency," hurst in Ben Zood, emphatically; "the fellows are chicken-hearted snough siready; only tell them what has harmened. and in sheer despondency they will not do another stroke of work."

"Besides," said Lieutenant Procope, who took very much the same view as the orderly, "they are so miserably ignorant they would be sure to misunderstand von." "Understand or misunderstand," replied Serva-

dec. "I do not think it matters. They would not care. They are all fatalists. Only give them a guitar and their eastangts, and they will ocon forget all cars and surjety. For my own part, I must adhere to my belief that it will be advisable to tell them everything. Have you any opinion to offer,

count?" "My own opinion, exptain, coincides entirely with years. I have followed the plan of explaining all I could to my men on board the Dabrune, and no inconvenience has arisen."

"Well, then, so let it be," said the exptain; adding "It is not likely that these Spanismis are an irrors re as not to have noticed the change in length of the days; neither ean they be unaware of the physical

changes that have transmired. They shall certainly be told that we are being carried away into unksown regions of engo, and that this island is nearly all that remains of the Old World." "Ha! ha!" larghed Ben Zoof, aloud: "it will be fine growt to watch the old Jew'e face, when he is made to comprehend that he is flying away millions and millions of leagues from all his debtars," Isaac Hakkabut was about fifty yards behind and

an exposed hav, protected but harely by a few recosection rocks, and in such a position that a gale rising from the west would inevitably drive her on to the land, where she must be dashed in mores. It would be the height of folly to leave her in ber present moorings; without loss of time she must he brought round to the month of the Shellf, in The consciousness that his tartan was the applicat

immediate proximity to the Ressian yacht. of discussion made the Jew give way to such wehe-

soon alongside the fleating emporium, aware that both the tarten and her caren were in a perfect state of preservation. In the hold were sugar-loaves by bundreds, chests of tea, burn of

coffee, hogsheads of tabacco, pipes of wine, casks of brandy, harryls of dried herrings, bales of cotton, ciothing of every kind, shoes of all cises, care of various share, tools, household openeds, chine and earthenware, reams of paper, bettles of ink, house of lucifer matches, blocks of salt, barn of perpenand spices, a stock of hage Dutch cheeses, and a collection of almanaes and misocilaneous literature. At a rough guess the value could not be much under

notice, and more than once he had attempted to entice Ren Zonf into conversation upon the ephfect; but the corlorly made no secret of his anticothy to him, and senerally replied to his advances either by eatire or by hanter. He told how that he had everything to gain under the new system of nights and days, for, instead of living the Jew's ordinary life of a century, he would reach to the age of two centuries; and ha congratulated him upon the circumstance of things having become so light, because it would prevent him feeling the burden of his years.

and not infrequently invoking the God of Israel;

but every now and then a comping light elearned from his even, and his lipe became compressed with

None of the recent phenomens had escaped his

At another time he would declars that, to an old pearer like him, it could not matter in the least

what had become of the moon, as he could not possibly have advanced any money upon her. And when Issae, undounted by his jeers, percevered in besetting him with questions, he tried to allenor him by saving, "Only wait till the soverpor general comes; he is a shrewd fellow, and will tell you all shout it." "But will be protect my property?" poor Issae

would ask tremulously "To be sure he will! He would confinente it all rather than that you should be robbed of it."

to content bimself as bost he could, and to await the

shore, they found that the Hones had spehered in

ment ejaculations of anxiety, that Servadae turned round and peremptorily ordered him to denot from his clampr. Leaving the old man under the surwilliams of the count and Ben Zoof, the captain and the Bestement stemped into a small boat and were A very cheet inspection sufficed to make them

\$5,010 sterling. A new cargo had been taken in only a few days before the estastrophs, and it had been Issue Hakkabut's intention to croise from Ceuts to Tripoli, calling wherever he had reason to

do not overcharge me."

AMAZING STORIES believe there was likely to be a market for any of loan of a few sailors to carry his ship to Akriers. "I will pay you hanseth: I will now you sail."

"A fine haul, lieutenant," said the captain.
"Yes, indeed," said the lieutenant: "but what if the owner refuses to part with it?" "No fear; no faar," replied the captain. "As soon as ever the old rescal finds that there are no more

Arabs or Algerians for him to fieces, be will be ready enough to transact a little business with us, We will now him by hills of acceptance on some of his old friends in the Old World."

"But why should be went any payment?" inquired the lieutenant. "Under the elreamstances, be must know that you have a right to make a requisition of his goods."

"No, no," quickly rejoined Servadne; "we will not do that. Just because the fellow is a German we shall not be justifud in treating him in German fashion. We will transact our business in a business like way. Only let him once realise that he is on a new ciohs, with no recences of cetting back to the

old one and he will be ready enough to even to terms with us. "Perhaps you are right," replied the lieutement; "I hope you are. But anybow, it will not do to leave the tartan here; not only would abe be in

taoushig whether she could resist the pressure of the ice, if the water were to freeze." "Quite true, Proceps; and accordingly I give you the commission to see that your crew bring ber

round to the Shellf as soon as may be." "To-morrow morning it shall be dens," answered the licutement, promptly Upon returning to the shore, it was arranged that the whole of the little cology should forthwith susemble at the courbi. The Spaniards were sum-

moned and Isaac, although he could only with reluctance take his wistful game from his tartan, obeyed the governor's orders to follow An bour later and the entire population of twenty-two had met in the chamber adjoining the gourhi. Young Pablo made his first acquaintance

with little Ninz, and the child seemed highly delighted to find a companion so nearly of her own age. Leaving the children to extertain each other. Care tain Servedae began his address. Refore entering upon further explanation, he said

that he counted upon the cerdial co-speration of them all for the common welfare. Negrete interrupted him by declaring that no

countrymen knew how soon they could be sont back to Spain. "To Spain, do you say?" saked Servadae "To Spain!" echood Issac Hakkabut, with a hide-ous yell. "Do they expect to go back to Spain till they have paid their debts? Your Excellency, they

owe me twenty reals apiece for their peasage here; they owe me two hundred reals. Are they to be allowed . . "Silence Mordecai, you feel?" shouted Ben Zoof.

who was accustomed to call the Jew by any Hebren usme that came uppermost to his memory. Servadae was disposed to appears the old man's anxiety by promising to see that justice was ultimately done; but, in a fever of frantic excitement, he went on to implore that he might have the

He named The Spenisods esidently had no over-Negrete hegged him to tell thom all again. He repeated all that be had said, and by introducing some illustrations from familiar things, he sucneeded to a certain extent in conversion same faint ides of the convulsion that had bappened. The event was precisely what he had foreigld. The communication was received by all alike with the most supreme indifference, Hakkabut did not say a word. He had listened with manifest attention, his lips twitching now and then so if suppressing a smile. Servader turned

he cried: but his ingrained propensity for making a good bargein prompted him to add, "provided you

Hen Zoof was about again to interpose some

anery exclamation; but Servadas checked him, and

continued in Spanish: "Listen to me, my friends,

Semething very strange has happened. A most

wonderful event has out us off from Spain, from

Proper from Italy from every country of Ropping

In fact, we have left the Old World entirely. Of

the whole earth, nothing remains excent this island

on which you are now taking refuge. The old globe

is far, far away. Our present abode is but an insig-

nifecut freement that is left. I does not tell you that there is any chance of your over again seeing

your country or your homes."

ception of his meaning.

to him, and asked whether he was still disposed to put out to sea and make for Algiers. The Jew mave a broad prin, which, however, he was careful to conceal from the Speniards, "Your Excellency tests" he said in French; and turning to Count Timuscheff, he added in Russian: "The governor has made up a wonderful tale," The count turned his back in disgust, while the Jew sidled up to little Nina and muttered in Italian. "A lot of lies, pretty one; a lot of lies!" "Confound the knave!" exclaimed Ben Zoof: "he

enables every toneue under the sun?" "Yea," said Servadac; "but whether he speaks French, Russian, Spenish, German, or Italian, he is neither more nor less than a Jew."

CHAPTER XX A LIGHT ON THE HORISON

On the following day, without giving himself any further concern about the Jew's incredulity, the captain gave orders for the House to be shifted round to the harber of the Shelif. Hekkubut raised no objection, not only because he was aware that the move insured the immediate safety of his tartan, but because he was secretly extertaining the

hope that he might entice away two or three of the Dobruma's oney and make his escone to Aleiera or event other roof. Operations now commenced for preparing percent winter quarters. Sponfords and Russiana allke

joined heartily in the work, the diminution of atmomberic pressure and of the force of attraction contributing such an increase to their muscular force as materially facilitated all their labors. colony. Here for the present the Speniards were

The first business was to accorrespond to the building adjacent to the gourbi to the wants of the little the yeak, while the Jew was permitted to poss ble sights upon the Hausa. This arrangement, howware, could be only temperary. The time could not be far distant when ships sides and evaluary walls would fall to give an adequate protection from the searchty of the cold that must be expected; the stack of fast was too limited to keep up a permanent supply of heat in their present quanters, and consequently they must be driven to neck some other redtage, the internal temperature of which would be

or least be heartable. The plan that seemed to eccurrend itself most to their consideration was, that they should due out for themselves seems substrateous pits similar to "blow," such as are used as receptable for grain should be covered by a thick theyer of see, which is a bad conductor of beat, a sufficient emount of marmith the animal vitability might still be retained

as accessful or of this blad. After a long consultation they faithed to devise any better appellicat, and were forced to resign thermodyes to this species of troplotyte existence.

In one respect they congrutulated thermodyes that they should be better off than many of the whalers in the polar seas, for as it is impossible to get below the surface of a fromm comen, these advantagements.

have to seek refuge in buts of wood and snow erected on their ships, which at best angive but slight protection from extreme code; but here, with a salled stackly the Gallism might beye to dig down a bundred feet or to and secure for themselves a shelter that would exalled them to heave the hardest severity of climate. The owink was The order, then was all conception. The work was

commenced. A stock of showels, mattacks, and pickcase was brought from the goards, and with Ben Zoof as overseer, both Spanish major and Russian aniloss set to work with a will. It was not bore, become, before a discovery, more

assequented than acreamble, solublesty arrested them seemed below. The spot chosen for the accussion was subsect. The spot chosen for the accussion was been also as the spot chosen for t

starty. Harder and more registing than granife to could not be shalled by codinary powder? dynamics of the could not be shalled by codinary powder? dynamics of protection was reported with the common of protection was reported wirele, death someton to be starting them in the face. Were the common of the starting them in the face. Were the common of the starting them in the face of the common of the common of the common of the could be starting the contract of the country of the cou

persture fell steadily; already, to the discentificate of the little Italian grit, margined in sanchine, to we can be considered to be such a substitution of the total sanchine to form to the revokes of the rocks, was beginning to form to the surpositing when the san itself would freeze.

Some shaller must be found before the temperature should fall to 00 below max. Otherwise dasht was inertiable. Bittherto, for the last few day, the should 6" below zero, and it had become matter of about 6" below zero, and it had become matter of

pensate for the remoteness of the sun. The tem-

thermometre had been registering an average of boats of bulber one, and it had boats makine all about 6 bulber one, and it had boats makine all about 6 bulber one, and it had boats and all the wood that was available, was abtopated to effect any consistion migration of the severity of the cold. Nor could any amount of that ownerity of the cold. Nor could any amount of that ownerity and point in the thermometres would be compared as force of the cold and any and and ownering the cold of the cold of the cold of the compared of the cold of the cold of the cold of the control of the cold of the cold of the cold of the and Human could not for a moment be newlying to cold the cold of the cold of the cold of the woods.

shaller, but they were toolly untited to be trated as to their stability when agood to the entermous as to their stability when agood to the entermous as the stability when agood to the entermous as the stability of the entermous as the entermous as the entermous as the entermous as the entermous and purptient. These descripted that they full themselves in and purptient. These descripted that they fail the entermous could regard us as that in a refuge below entermous entermous and purptient. The entermous entermous and important entermous submittain or this could yet hour by hour the earth file was been injury in the dimension of the earth of the way to be a submittain of the soil, yet hour by hour the earth file was been injury in the dimension of the earth of the way to be a submitted in the entermous e

the positiaties of the odd was becoming almost intolerable.

Mounted upon Zephyr and Guiette, the captain and the count seemed the uslead in search of some and the count seemed the uslead in search of some of the property of the country of the co

hapsies, there exemed ordator to be done served to try and routies the behilding absorption the previlengervious to freed. To contribute to the supply of fuel, orders were given to collect every serge of wood, dry or gream, that the intend preduced; and then invelved the necessity of eliging the summerous tress that were neathered over the plain. But tell no they might all the accumulation of fewered, Captalin for-reade and his companions could not resist to provide and his companions could not resist members and the companions could not resist provided and the companions could not resist members usual exhaust the food attack. Any who

period would exhaust the total stock. And what would happen then?

Studious if possible to conceal his real misgivings, and auxious that the rest of the party should be affected as little as might be by his own uncasiness, Servadar would mander alone about the island ranking his brain for as idea that would 46 AMAZING STORIES
roint the way out of the serious difficulty. But wards as far as the former latitude of Own; he

One day he suddenly came upon Ben Zoof, and anked him whether he had no plan to propose. The orderly shock his head, but after a few moments' prodering, add: "Ahl master, if only were at Montanavra, we would get shelter in the charming ston-quarries," "Idiel?" replied the captain, angelly, "If we were at Montanavira, you don't suppose that we should

aton-charries."
"Idiel?" replied the captain, angrily, "If we were at Montmarter, you don't suppose that we should assent a stone-quarries! which busma in-genity half failed to secure were at hand from the felicitous provision of Nature bernell. It was not the 10th of March that the captain and Lieutenant Precepts started off one more to brevetigate the

felicities provision of Nature herned. It was on the 10th of Starte that the explain and Lieutenin the 10th of Starte that the explain and Lieutenin northwest corner of the island; on their way their conversation naturally was engroused by the subject of the dire necessities which only too manifestly were awaiting them. A discussion more than sundifferent control of the control of management of the control of the control of management of the control of the control of the management of the control of the control of the management of the control of the management of the control of the management of the control of

the fairest chance of avoiding a fatal climax to being expourney; the captain persisted that an entirally now about must be sought, while the liceneauxt was equally hent upon derwining a mothod of come occit by which their present quartors might he rendered satisficiently warm. All at excep, the every heat of his argument, Procope passed, in very heat of his argument, Procope passed, in mixture and attack, with a fixed year tentiored on a mixture and attack, with a fixed year tentiored on a

point towards the south. "What is that?" he said,
with a kind of hesitation. No, i am not missakon;
"A light?" reactions for words; the many of
"A light?" reactions for words; they me wiere.
"Look there?" answered the fleatment, and he
kept pointing steadily in its direction, until Servedon also distinctly saw the bright speck in the
distance.

It increased in clearness in the gathering abades of evening. "One it be a ship?" asked the captain. "If so, it must be in famma; otherwise we should not be able to see it so far off," replied Procope. "It does not move," asid Servades;" and unless I am greatly deceived, I can hear a kind of rear-

heration in the air."
For some seconds the two men stood straining syes and ears in raps attention. Suddenly as loss strack Sorrador's mind. "The welcano?" he critical, "many it not be the welcano that we saw, whilst we were on heard the Dobyses."
The lieuterant agreed that it was very pechalos.
"Howeven he uraised" is equal to the critical strains and of the contract of the critical strains.

be went on in the torse of a loom employment. The turn has provided a loom of a loom employment. We turn has provided a loom of the loom of all the warmth we need. No time to loom! Yet morrow, my dear Procope, to concrow we will coplore it all; no death the life, the lock we want as remerved for us in the beart and howels of our

Is reserved for us in the heart and howels of our own Gelliar? Whilst the capitals was indelging in his expressions of anthoniarm, Process was endowering cellent his thoughts. Distinctly be remembered the leng promoratory which had harred the Dodeysavis progress while counting the southern confines of the see, and which had oblighed her to search northsmoke; and now he was corrected that he was right in identifying the position, and in believing that the smoke had given piace to an emption of fame. When Serrandes gave him a chose of speaking, he said, "The more I consider it, vegriat, the mire you'de a doubt, what we see as the wakars, and he morrow we will not fail to visit it." On returning to the gent's, they commanisated their discovery to Court Turnschoff only, deeming court at core before his york it after discount, and

remembered also that at the extremity of the promontory there was a rocky headland arowned with

copromed the intention of accompanying them.
"The yight, I think" said Proops, "but better remain where the it; the venture is beautifully cain, and the station-laurch will survive our purpose better; at any rate, it will covery us much obser to share than the schooner."

The count replied that the licenteaux was by all moments to see his own discretion, and they all retired for the night.

Like many other modern pleasure-pathin, the

Dobruse, in addition to her four-oar, was fitted with a fast-going little steam-launch, its screw bring pronelled, on the Oriolfe system, by mean of a boeler, small but very effective. Early next morning, this handy little croft was sufficiently freighted with coal fof which there was still about ten tons on heard the Debraug), and manual by nebody except the cartain, the court and the lightenest left the harbor of the Shelif, much to the hewilderment of Ben Zoof, who had not yet been admitted into the secret. The orderly, however, consoled himself with the reflection that he had been temperarily invested with the full nowers of covernor general an office of which he was not a little proud The eighteen miles between the island and the headland were made in something less then three hours. The volcanic eruption was manifestly very considerable, the entire aurumit of the promontory

being enveloped in flames. To produce so large a combustion either the copyen of Gallia's atmosphere had been brought into contact with the explosive gases contained beneath her soil, or purhaps, still more probable, the vokuno, like those in the moon. was fed by an internal supply of oxygen of her own. It took more than half an hour to sottle on a suitable landing-piace. At length, a small semicircular creek was discovered among the rocks. which appeared advantageous, because, if circumstances should so require, it would form a safe ancharage for both the Dobryss and the Hossa. The launch securely moored, the passengers landed on the side of the promortery opposite to that on which a torrent of flaming lave was descending to the sea. With much satisfaction they experienced, as they approached the mountain, a sensible difference in the temperature, and their spirits could not do otherwise than rise at the pres-

er spirits could not do otherwise than rise at the person peet of having their heps conformed, that a delivscrame from the threatmed calamity had so expected the state of the state of the state of the season of the state of the state of the state of scaling the irregularities of its spinnish strata, the sebunding from point to point with the agaility of channois, that stave alighting on anything except channois, that stave alighting on anything except the accumulation of the same becagenal prisms with which they had now become so familiar. Their exertions were happily rewarded. Behind a huge governed rock they found a hole in the mountain-side, like the mouth of a great tunnel.

Climbing up to this orifice, which was more than sixty feet above the level of the sea, they ascertained that it opened into a long dark gallery. They entered and groped their way cautiously along the sides. A continuous rumbling, that increased as they advanced, made there aware that they must be angreathing the central funnel of the vokano; their only fear was lest some insuperable wall of rock should sufdenly har their further progress-

Servadae was some distance shead. "Come on!" he cried cheerly, his voice ringing through the darkness, "come on! Our fire is lighted! no stint of finel | Nature provides that | Let us

make haste and warm ourselves!" Inspired by his confidence, the count and the lieutenant advanced bravely along the unseen and wind-

ing path. The temperature was now at least fifteen degrees above zero, and the walls of the guillery were beginning to feel oute warm to the touch, an indiention, not to be overlooked, that the substance of which the rock was composed was metallic in its nature, and capable of conducting heat. "Fellow me!" shouted Servadee zonin: "we shall

soon find a regular store!" Onwards they made their way, until at last a sheen turn brought them into a audden food of light. The tunnel had opened into a vast cavern, and the gloom was exchanged for an illumination that was perfectly danding. Although the tem-perature was high, it was not in any way intoler-

One glasce was sufficient to satisfy the explorers that the grateful light and heat of this buge excepttion were to be attributed to a torrest of lava that was rolling downwards to the sea, completely subtending the sperture of the cave. Not inspily might the scene be compared to the celebrated Grotto of the Winds at the rear of the central fall of Niagara,

only with the opposition that here, instead of a curtain of rushing water, it was a curtain of rearing flame that hung before the covere's mouth. "Henron be praised!" cried Servadac, with glad smotion; "here is all that we hoped for, and more besides?"

WINTER QUARTERS

The habitation that had now revealed itself, well lighted and thoroughly warm, was indeed marvelous. Not only would it afford ample accommodation for Hactor Servadac and "bis subjects," as Ben Zoof delighted to call them, but it would provide shelter for the two horses, and for a considerable

This enormous cavern was neither more or less than the common function of nearly twenty tunnels crimilar to that which had been traversed by the explorers), forming ramifications in the solid rock, and the pores, as it were, by which the internal heat exuded from the heart of the mountain. Here, as long as the volcano retained its activity, every most rigorous of climates; and as Count Timascheff

But not a day, not an hour, was to be lost now. The steam-issued returned to Geurbi Island, and preparations were forthwith taken in hand for conveying man and beast, corn and fodder, across to the voicenic headland. Loud and bearty were the acclamations of the little colony, especially of the Spaniards, and great was the relief of Ninz, when Servades announced to them the discovery of their future domicile; and with requiremed energies they labored hard at packing, anxious to reach their

justly remarked, since it was the only burning moun-

tein they had sighted, it was most probably the sole

outlet for Gallia's subterranean fires, and count-

quently the eruption might continue unchanged for

genial winter quarters without delay. For three successive days the Dobryss, laden to her very gunwale, made a transit to and fro. Ben Zoof was left upon the island to superintend the stowage of the freight, whilst Servades found abundant occupation in overlooking its disposal within the recesses of the mountain. First of all, the large store of corn and folder, the produce of the recent harvest, was landed and deposited in one of the vaults, then, on the 15th, about fifty head of live cattle-ballocks, cows, sheep, and pige-were conveyed to their rocky stalls. These were saved for

the sake of preserving the several breeds, the bulk of the island cattle being slaughtered, as the extreme severity of the climate insured all ment remaining fresh for almost an indefinite period. The winter which they were expecting would probably be of unprecedented length; it was quite likely that it would exceed the air months' duration by which many arctic explorers have been tried; but the nonelation of Gallia had no anxiety in the matter of provisions-their stock was far more than adequate; while as for drink, as long as they were satisfod with pure water, a frozen sea would afford them

an inexhaustible reservoir. The need for haste in forwarding their preparations became more and more manifest; the sea threatened to be unnavigable very soon, as jes was already forming which the necessar our was unable to melt. And if haste were necessary, so also were care incomply and forethanglet. It was indiapersable that the space at their command abould be properly utilized, and yet that the several portions

of the store abould all be readily accessible. On further investigation an unexpected number of ralleries was discovered so that in fact, the interior of the mountain was like a west beautime perforated with innumerable cells; and in compliment to the little Italian it was unanimously voted

"Nina's Hive." The first care of Captain Servadac was to ascertain how he could make the best possible use of the best which nature had provided for them so concerturely and with an layish a hand. By evening fresh vents in the solid rock (which by the action of the heat was here emphis of fissure) the stream pels, where it could be available for daily use; and thus Moobel, the Dobryon's cook, was furnished with an admirable kitchen, provided with a perman-

ent stove, where he was duly installed with all his sufficery ameratus. "What a saving of expense it would be" ex

AMAZING STORIES

claimed Ben Zoof, "if every bouncheld could be furnished with its own private volcano!" The large covern at the general junction of the galleries was fitted up as a drawing-room, and arranged with all the best furniture both of the rourbi and of the cabon of the Dobress. Hither was also brought the shooner's library, containing a good variety of French and Russian books; lamps were suspended over the different tebles; and the walls of the apartment were tapestried with the sails and aformed with the flace belonging to the yasht. The

exvers provided it, as already stated, with light and The terrent of lava fell into a small rock-bound besin that had no apparent communication with the see and was reidently the enerture of a dren abyss, of which the waters, beated by the descent of the erentive matter, would no doubt retain their liquid condition long after the Gallian Sea had be-

come a sheet of loa. A small emayation to the left of the common hall was allotted for the special use of Servadac and the count; a nother on the right was appropriated to the lieuteeant and Ben Zoof; whilst a third recess, immediately at the back, made a convenient little chamber for Nim. The Spaniards and the Russian sailers took up their sleeping-quarters in the ad-

incent galleries, and found the temperature quite Such were the internal arrangements of Nine's Hive, the refuce where the little colony were full of hope that they would be able to brave the ricors of the stern winter-time that lay before them-a winter-time during which Gallia might possibly be

projected even to the arbit of Juniter, where the temperature would not exceed one twenty-fifth of the normal winter temperature of the earth. The only discontented spirit was Issue Hakkabut. Throughout all the proparations which reused even the Spaniards to activity, the Jew, still incredules and deaf to every recommendation of the true state of things, insisted upon remaining in the creek at Gourbi Island; nothing could induce

him to leave his terian, where, like a miser, he would keep goard over his precious carge, ever grembling and growling, but with his weather-eye open in the hope of catching sight of some passing sail. It must be owned that the whole party were for from narry to be relieved of his presence; his uncomely figure and repulsive countenance was a perpetual busbear. He had given out in plain terms that he did not intend to part with any of his property, except for current money; and Servadac, equally resolute, had strictly forbidden any pur-

chases to be made, beging to wear out the rascal's obstinecy Hakkabut persistently refused to credit the real situation; he could not absolutely deny that some portions of the terrestrial globe had undergone a certain degree of modification, but nothing could bring him to believe that he was not, somer or later, to resume his old line of business in the Mediterronean. With his wonted distrust of all with whem he came in contact, he regarded every argu-

thesis that a fragment had become detached from

might effect some bartering men advantegeous At first be professed to regard the proposed removal into winter-quarters as an attenut to impose upon his credulity; but the frequent voyages made by the Dobruss to the south, and the repeated constemments of corn and eattle, soon served to make cartein of fire extending over the opening of the lone were really contemplating a departure from The movement set him thinking. What, he be-

the earth, he scanned the borson for bours to-

been natebed up till it looked like a rusty stove-uipo.

beging to descry the passing trader with which be

other with an old telescope, the case of which had

gan to ask himself-what if all that was told him was true? What if this sea was no longer the Mediterranean? What if he should never again behold his German fatherland? What if his marts for business were gone for ever? A vague idea of ruin began to take possession of his mind; he must vield to necessity; he must do the best he As the result of his constations, he occasionally left his turten and made a visit to the shere. At leasth be endeavered to missle with the busy group, who were hurrying on their preparations; but his advances were only met by hours

and scorn, and, ridiculed by all the rest, he was fain to turn his attention to Ben Zoof, to whom he offered a few pinches of tabacco. "No, old Zebulon," said Ben Zoof, steadily refusing the gift, "it is against orders to teke anything from you. Keep your cargo to yourself; eat and drink it all if you can; we are not to touch it." Finding the subordinates incorruptible, Issue determined to go to the fountain-bead. He addressed himself to Servadae, and henced him to tell him the whole truth, piteously adding that surely it was unworthy of a French officer to deceive a poor old years like himself. "Tell you the truth, man?" cried Servadae. "Con-

found it. I have told you the truth twenty times. Once for all. I tell you now, you have left yourself barely time enough to make your escape to yonder "God and Mahamet have morey an me!" mattered

the Jew, whose creed frequently assumed a very ambiguous character. "I will tell you what," continued the esptain-"you shall have a few men to work the Hansa "you shall have a few men to work the Manual across, if you like."

"But I want to go to Algiers," whispered Hak-

"How often am I to tell you that Algiers is no longer in existence ? Only say yes or no-are you coming with us into winter-quarters?" "God of Israel! what is to become of all my "But, mind you," continued the captain, not heed-

ing the interruption, "If you do not choose voluntarily to come with us, I shall have the Hause, by my orders, removed to a place of safety. I am not going to let your cursed ebstinancy incur the risk of losing your sargo sitegether."

"Merriful Heaven! I shall be rained!" manned ment that was urred upon him only as evidence of a Issac, in decusir. elet that had been devised to despive him of his "You are come the right way to rain vogreelf and it would serve you right to leave you to your goods. Repudiating, as he did utterly, the hypoown devices. But be off! I have no more to eng."

pirtuses:

And, turning contemptuously on his heel, Servaries left the old man vestferating bitterly, and with uplifted hands protesting velocmently against the rapacity of the Gentlies. By the 20th all preliminary arrangements were complete, and everything ready for a final departure from the island. The thermometer stood on an overage at 8' below now, and the water in the cis-

tern was completely frozen. It was determined, therefore, for the cokery to embark on the following A final consultation was held about the House. Lieutenant Procone proposposed his decided conviction that it would be impossible for the turian to resust the pressure of the ice in the harbor of the Sheld, and that there would be far more safety in the proximity of the volcano. It was agreed on

all hands that the years must be shifted; and secordingly orders were given, four Russian sailors were sent on board, and only a few minutes elapsed after the Dobryon had weighed anchor, before the great interes soil of the tortes was refured, and the "shop-ship," as Ben Zoof delighted to call it, was also on her way to the southward. He kept exclaiming that he had given no orders. that he was herny mound against his will, that he

had asked for no assistance, and needed none; but it required no very loss discrimination to observe that all along there was a lurking gleam of satisfaction in his little gray eyes, and when, a few bours later, he found himself recursly anchored, and his property in a place of safety, he quite chuckled with giee. "God of Israel!" he said in an undertone, "they

have made no charge; the idiots have piloted me here for pothing." For nothing! His whole nature expited in the consciousness that he was enjoying a service that Destinate of Ruman inhabitures. Courbi Island was now left to the tenancy of such hirds and

bearts as had escuped the recent promiscuous shoughter. Birds, indeed, that had migrated in search of warmer shores, had returned, proving that this fragment of the French colony was the only shred of land that could yield them any sustenance; but their life must necessarily be short. It was atterly impossible that they could survive the cold that would soon ensue.

The colory took possession of their new abode with her few formalities. Everytone, however, anproved of all the internal arrangements of Nina's How, and were profuse in their expressions of comfortable quarters. The only makentent was Raidwhut; he had no share in the general enthusiasm, refused even to enter or inspect any of the milleries, and resisted on remaining on board his

"He is afraid," said Ben Zoof, "that he will have to nov for his lodgings. But wait a bit; we shall use how he stands the cold out there. the front no doubt, will drive the old fox out of his hole." Towards evening the pots were set boiling, and a bountiful supper, to which all were invited, was served in the central hall. The stores of the Dobrome contained some excellent wine, some of which was broathed to do honor to the occasion. The ing chorus. Ben Zoof contributed the famous Zounve. refrain, well known throughout the French army, but rarely performed in finer style than by this "Misti goth dar dar tire lyre! Flic! flos! flac! lirette, lira! Far is rira. Tour tala rire, Tour is Ribond.

Sans repor, répit, répit, repor, rie pot, ripette! Si your offraper men refrain.

as the toast "Spores to his council," to which Ben

Zoof was called upon to return thanks. The enter-

tainment passed off merrity. The Spaniards were

in the best of spirits; one of them played the motar.

another the castanets, and the rest joined in a ring-

Farment was Ites." The concert was succeeded by a ball, unquestionably the first that had ever taken place in Gallia. The Rossian soilers exhibited tome of their no. tional dances, which gained considerable applease,

even though they followed upon the marrelous fundanges of the Spanuards. Ben Zoof, in his turn, danced a pea ceul (often performed in the Elvede Montmartre) with an elegance and vigor that carned many compliments from Negrete. It was nine o'clock before the festivities came to

the bigb temperature of the hall, and by their own exertions, felt the want of a little fresh sir. Accordingly the greater portion of the party, escorted by Ben Zoof, made their way into one of the adtagent galleries that led to the shore. Servadacwith the count and lieutenant, did not follow immediately; but shortly afterwards they proceeded to join them, when on their way they were startled by load eries from those in advance. Their first impression was that they were cries of distress, and thry were creatly relieved to firel

that they were shouts of delight, which the dryness and purity of the atmosphere caused to re-echo like a valley of musicetry Reaching the mouth of the gallery, they found the entire group pointing with carer interest to the

"Well, Ben Zoof," asked the captain, "what's the matter new?" "Oh, your Excellency," ejeculated the orderly, "look there! look there! The moon! the moon's come back!"

And, sure enough, what was apparently the moon was rising above the mists of evening.

CHAPTER XXII A PROTEIN OCHAN

THE moon! She had disappeared for weeks; was she now returning? Had she been fulthless to the earth? and had she now approached to be a satellite of the new-been world?

"Impossible?" said Lieutenant Procope; "the earth is millions and millions of leagues away, and it is not probable that the moon has ceased to re-

volve about her." "Why not?" remonstrated Servadae. "It would not be more atrance than the other phenomena which we have lately witnessed. Why should not

twenty harra: consequently Gallia, being of sometior volume, might be supposed capable of exercising a namer of attraction once any of these minuture mirroccorre The first night in Ning's Hive passed without exectal incident and next recessive a regular schools of life was definitely laid down. "My lord sex-

attraction, and become her satellite to "Upon that supposition," not in the count. "I should think that it would be alterather unlikely that three months would slaves without our seeing hop '

"Outte incredible!" continued Processe. "And there is another thing which totally disperses the too insignificant for her power of attraction to

carry off the meen." "But," reveleted Servadae, "why should not the save convulsion that tore us away from the earth hour torn save the mose as well! After wonder-

ing about as she would for a while in the selar regions. I do not see why she should not have atteched herself to us."

The lieutenant repeated his conviction that it was not likely

"But why not?" again soled Sevendon impetuquely. "Recourse. I tell you, the mass of Gallia is so

inferior to that of the muon, that Gallia would become the mann's satellite: the mass could set vonibly become here." "Assurating, however," continued Servedae, "such

to be the cree-"I am afraid," said the lieutenest, interrupting him. "that I cannot assume snything of the sort

Servadac smiled rood-humoredly "I confess you save to have the hest of the area. ment, and if Golina had become a satellite of the moon, it would not have taken three months to catch night of her. I suppose you are right." While this discussion had been going on the establite or whatever it might be had been rising steadily above the horizon, and had reached a posttion favorable for observation. Telescopes were brought and it was very sam ascertained beyond a question, that the new luminary was not the wellknown Phube of terrestrial nights; it had no featurn in common with the vator. Although it was apparently much pearer to Gallia than the moon to

the earth, its superficien was hardly one-tepth as homes and an frahly did it reflect the light of the remote sun, that it scarcely emitted radiance enough to extinguish the dies luster of stars of the righth magnitude. Like the sun, it had risen in the west, and was now at its full. To confuse its identity Servadar could discover a trace of the seen, charms. delineated in lunar charts; and it could not be denied that any transient hope that had been excited as to their once amin being about to evice the

peaceful smiles of "the queen of night" must all Count Timescheff finally suggested, though somewhat doubtfully, the question of the probability that Gallie, in her course seroes the some of the mirror planets, had carried off one of tham; but whether it was one of the 169 asteroids already included in the astronomical estalogues, or one previously unknown, he did not prosume to determine. The then to a certain extent was planeible, incomuch as it has been accertained that reveral of the telescopic planets are of such arrell dimensions that a cood walker might make a circuit of them in four and

arnor," as Ben Zoof, outil he was necessorily forhidden, delighted to call Servadac, had a wholesome dread of idleness and its correspondences, and insisted unce each member of the verty undertaking come special daty to fulfill. There was plenty to do. The domestic enimals revaised a great deal of attention: a supply of food had to be secured and preserved; fishing had to be carried on while the condition

of the see would allow it; and in necessal places the galleries had to be further excavated to reader them more available for use. Occupation than need ager be wanting, and the daily round of labor could go on in orderly routine. A perfect compard valed the little colour. The Bussians and Spaniards amaignmented well, and both did their hest to nick up various acress of French. which was considered the official increase of the

where Committee himself understook the testion of Pable and Nine. Ben Zoof being their correspond in play heers, when he entertained there with enchanting stories in the heat Parislan French, about "a levely sity at the foot of a recentain" where he always seemised one day to take them The end of March came, but the cold was not intense to such a decree as to cardina any of the party to the interior of their report; neveral excursions were reade along the shore, and for a radius

of three or four miles the adjocent district was carefully explored. Investigation, however, always anded in the same result - turn their course in whatever direction they would they found that the country retained everywhere its desert character. racky harron and without a franc of manufactor, Here and there a slight layer of snow or a thin enating of ion arising from atmospheric confermabut it would require a period indefinitely long, exceeding housen reckening, before that maisture could collect into a stream and roll downwards over the steay strate to the sec. It seemed at present ant of their nower to determine whether the land upon which they were so happily settled was an

island or a continent, and till the cold was shated to ascertain the actual extent of the strange congrate of metallic gravitallication. By according one day to the suremit of the volcano. Cantain Servadae and the count apprended on The mountain itself was an enormous block rising symmetrically to a height of nearly 3,000 fast show

the level of the sea, in the form of a truncated come. of which the tournout section was crowned by a wreath of smoke issuing continuously from the mouth of a parrow crater. Under the old condition of terrestried things, the

ascent of this steep accitvity would have been attended with much faturue, but as the effect of the performed perpetual prodicies in the way of agility, and in little over an hour reached the wice of the erater, without more sense of exertion than if they

Telescopes in hand, the explorers from the summit scanned the surrounding view. Their anticinations had already realized what they saw. Just as they expected, on the north, east, and west lay the Gallian Sea, smoothed and motionless so a sheet of glass, the cold having, as it were, congcaled the atmosphere so that there was not a breath of wind. Towards the south there seemed no limit to the land, and the volcano formed the apex of a triangle,

of which the base was beyond the reach of vision. Viewed even from this beight, whence distance would do much to soften the general asperity, the surface nevertheless seemed to be bristling with its myriads of hexaronal lamelle, and to present difficulties which, to an ordinary pedestrian, would be

"Oh for some wings, or else a ballson!" eried Servadac, as he gazed around him; and then, looking down to the rock upon which they were simpling, he added "We seem to have been transplanted to a soil strange enough in its chemical character to bewilder the smanfs of a museum

"And do you observe, captain," asked the count, "how the convexity of our little world cartalle our view? See, how circumscribed is the horizon?" Servadac replied that he had noticed the same circumstance from the top of the cliffs of Gourbi "Yes," said the count; "it becomes more and

more obvious that ours is a very tiny world, and that Gourbi Island is the sole productive spot upon its surface. We have had a short summer, and who knows whether we are not entering upon a winter that may leat for years, perhaps for cen-

"But we senst not mind, count," said Serendan, smiling. "We have agreed, you know, that, come what may, we are to be philosophers.

"Ay, true, my friend," rejusted the count; "we must be philosophers and nomething more; we must be stateful to the good Protector who has hitherto befriended us, and we must trust His mercy to the

end. For a few moments they both stood in silence, and contemplated land and sea; then, having given a last giance over the drency panorams, they prepared to wood their way down the mountain. Hefore they commenced their descent, however, they resolved to make a closer examination of the creter. They were particularly struck by what seemed to them almost the mysterious columess with which the cruntion was effected. There was none of the wild disorder and deafening turnalt that agrailly accompany the discharge of volcanic matter, but the heated lava, rising with a uniform cretiment, quietly overren the limits of the cruter, like the flow of water from the bosom of a peaceful lake. Instead of a boiler exposed to the action of an angre fire, the orater rather resembled a brimming basin, of which the contents were necessarily excepting. Nor were there any igneous stones or red-but cinders mingled with the smoke that crowned the sum-

minerals of veleanic origin with which the base of

nousion, are not leating; but here the calm for of the liquid fire appeared to be supplied from a source that was inexhaustible, in the same was as the waters of Niagara, gliding on steadily to their final plunge, would defy all effort to arrest their course. Before the evening of this day closed in, a most important change was effected in the condition of the Gallian Sea by the Intervention of human agency. Notwithstanding the increasing cold, the see, unruffed as it was by a heasth of wind, still

as in moral nature, is never of long duration. The

most terrible storms, like the most violent fits of

retained its liquid state. It is an established fact that water, under this condition of absolute stillpest, will remain uncongrated at a temperature several degrees below zero, whilst experiment, at the same time, shows that a very slight shock will often be sufficient to convert it into solid ice. It had occurred to Servadae that if some communication could be opened with Courbi Island. there would be a fine some for burding expeditions. Having this ultimate object in view, he assembled

his little colony upon a projecting rock at the extremity of the promostory, and having called Nice and Pable out to him in front, he said; "Now, Nine, do you think you could throw scmething into the "I think I could," replied the child, "but I am sura that Pable would throw it a great deal further than "News mind, you shall try first."

Putting a fragment of fee into Nine's hand, he addressed himself to Pablo: "Look out, Pablo: you shall see what a nice little falry Nina is! Throw, Nina, throw, as hard as Nine balanced the piece of ice two or three times

in her hand and three it forward with all her strength A spiden thrill seemed to vibrate serves the w tioniess waters to the distant horizon, and the Gal-Han Sea had become a solid sheet of ice!

CHAPTER XXIII

A CARRIED TERROR When, three hours after sunset, on the 23rd of March, the Gallian moon rose open the western horizon, it was observed that she had entered upon her last quarter. She had taken only four days to pass from averer to condratore, and it was come, cupatily evident that she would be visible for Ettle more than a week at a time, and that her lunation would be accomplished within sixteen days. The lunar months, like the rolar days, had been diminished by one-half. Three days later the moon was in conjunction with the sun, and was consequently lost to view; Ben Zoof, as the first observer of the satellite, was extremely interested in its movements and wondered whether it would ever reappear.

On the 26th, under an atmombare perfectly clear wit: a circumstance that quite accorded with the and dry, the thermometer fell to 12° C below sern Of the present distance of Gallin from the sun, and absence of the pumice-stones, chaldlans, and other the number of leagues she had traversed since the receipt of the last mysterious document, there were the areasent disc of the sun did not affect sufficient bees even for an approximate calculation; and Captain Sarendae was percetually regretting that they could receive no forther tidings from the anonymous correspondent, whom he persisted in reexisting as a follow-countryman. The solidity of the ice was perfect; the utter

stillsess of the air at the time when the final congelation of the waters had taken place had resulted in the formation of a surface that for amouthness would rival a skating-risk; without a crack or flaw The contrast to the ordinary aspect of polar seas

was very remarkable. There, the fee-fields are an arglemeration of hummocks and inshergs, massed in wild confusion, often towering higher than the masts of the largest whelers, and from the instability of their foundations liable to an instantaneous loss of equilibrium; a breath of wind, a slight modification of the temperature, not infrequently serving to bring about a series of changes outrivalue the most elaborate transferration somes of a pantornime. Here, on the contrary, the vast white plain was level as the desert of Sabara or the Rus-

sion steppes; the waters of the Gallian Sea were imprisoned beneath the solid sheet, which became continually thicker in the increasing cold. Acceptamed to the uneven crystallizations of their own frozen seas, the Russians could not be otherwise than delighted with the relighed surface that afforded them such excellent opportunity for enjuring their favorite pasture of skuting. A supply of skutos, found hidden away amongst the Dubraun's atores, was speedily brought into use. The Russians undertook the instruction of the Scanlands, and at the end of a few days, during which

the temperature was only endarable through the absence of wind, there was not a Gailian who could not skute tolerably well, while many of them could describe figures involving the most complicated curves. Nina and Publo earned load applicant by their rapid proficiency; Captain Servadac, an adept in athletics, almost outvied his instructor, the count; and Ren Zoof, who had upon some rare occasince shated once the Lake of Mentiouries (in his even of course, a sea), performed prodictes in the

This exercise was not only healthful in itself, but it was acknowledged that, in case of necessity, it might become a very useful means of beamotion. As Captain Servadae remarked, it was almost a substitute for railways, and as if to illustrate this proposition, Lieutenant Procops, perhaps the greatest expert in the party, accomplished the twenty

miles to Gourbi Island and back in considerably less than four hours. The temperature, meanwhile, continued to deereas, and the average reading of the thermometer was about 16° C. below zero; the light also diminished in proportion, and all objects appeared to be

enveloped in a half-defined shadow, as though the son were undergoing a perpetual eclipse. It was not surprising that the effect of this continuously overhanging gloom should be to induce a frequent depression of spirits amongst the majority of the little nonulation, exilus as they were from their mother earth, and not unlikely, as it seemed, to be awent far away into the regions of another planet-

that was before them, but a general sense of the strengeness of their situation could not fail at times to weigh heavily upon the minds of all. Under these circumstances it was very processary to counteract the tendency to descend by continual diversion; and the recreation of skating thus opportunely provided, seemed must the those to arouse the flagging spirits, and to restore a wholesome With dogged obstinsey, lasse Hakkabut refused

members of the community who could being any

scientific indement to hear mon the uncertainty

to take any share either in the labors or the amusements of the colony. In spite of the cold, he had not been seen since the day of his crrival from Gourbi Island. Captain Servadae had strictly forhidden any communication with him; and the amake that rose from the cabin chireney of the Hossa was the sale indication of the provenence being still on board. There was nothing to prevent him, if he those, from partaking gratuitously of the volcanie light and heat which were being enjoyed by all besides; but rether than abandon his close and personal oversight of his precious cargo, he preferred

to sacrifice his own slander stock of fuel Both the achooser and the tertan had been carefully moored in the way that seemed to premise heat for withstanding the rigor of the winter. After seeing the yessels made segure in the frozen creek, Lieutenant Procope, following the example of many Arctic explorers, had the precaution to have the ice beveled away from the keels, so that there should be no risk of the shipe' sides being crushed by the increasing pressure; he hoped that field, and when the thaw should come, that they would easily regain their proper water-line.

had ascertained that north, east, and west, far as the eye could reach, the Gallian Sea had become one uniform sheet of its. One spot slone refused to freeza; this was the pool immediately below the central cavern, the receptacle for the stream of hurning lava. It was entirely enclosed by rocks, and if ever a few icicles were formed there by the action of the cold, they were very soon melted by the flery shower. Hissing and soluttering as the hot lave came in contact with it, the water was in a continual state of chullition, and the fish that

shounded in its depths defied the angler's craft: they were, as Ben Zoof remarked, "too wuch holled to hits." At the beginning of April the weather changed,

The sky became evercest, but there was no rise in the temperature. Unlike the polar winters of the earth, which ordinarily are affected by atmospheric influence, and liable to alight intermissions of their severity at various shiftings of the wind, Gallia's winter was caused by her immerce distance from the source of all light and heat, and the cold wan

consequently destined to go on steadily increasing until it reached the limit ascertained by Fourier to be the normal temperature of the realms of space. With the over-clouding of the heavens there arous

a violent tempest; but although the wind record with an almost inconceivable fury, it was maccommanied by either snow or rain. Its effect upon the burning curtain that covered the aperture of "A pigeon!" surlaimed Ben Zeof, who had reached the central half was very remarkable. So far from the scene of the commotion. "A carrier-gizeon! And by all the sainte of Montmartre, there is a

guiched by the vehemones of the current of sir. the burricans seemed rather to act as a ventilator. which farmed the flame into greater activity, and the utmost care was peccepary to avoid being bornt by the fragments of lava that were drifted into the interior of the grotto. More than once the cartain itself was rifted entirely asunder, but only to close un again fremotinale after altering a momentary draught of cold air to penetrate the

hall in a way that was refreshing and rather ad-On the 6th of April after an absence of about

form dove, the new satellite, to Ren Zoof's errent satisfaction, made its responsance in a croscent form, a circumstance that seemed to factify the anticipation that honceforward it would continue to make a periodic resolution every fortnight. The crust of ice and arrow was far too stoot for

the beaks of the strongest birds to penetrate, and accordingly large swarms had left the inland, and, following the human population, had taken refuge on the volcanic promontory; not that there the barren shore had anything in the way of prorishment to offer them, but their instruct impelled them to harnt now the very habitations which formerly they would have shunned. Scraus of food were thrown to them from the galleries; these were speedily devoured, but were altogether inadequate in quantity to meet the demand. At length, eveholdered by hunger, several hundred birds ventured through the tunnel, and took up their quarters ac-

tually in Nite's Hive. Congregating in the large hall, the half-famished creatures did not hesitate to match bread, most, or food of any description and soon became each an intolerable nuisance that down - but although they were vigorously attacked by otones and sticks, and even occasionally by shot, it was with some difficulty that their number could be assibly reduced

By a systematic course of warfare the bulk of the hirds were all exactled, with the exceeding of about a hundred, which began to build in the crevices of the rocks. These were left in quiet possession of their counters on not only was it deemed advisable to perpetuate the various breeds, but it was found that these birds acted as a kind of police, sense failing either to chose years or to kill are others of their species who infrinced upon what they appeared to regard as their own unceits weigh

lege in intruding within the limits of their domain. On the 15th load cries were suddenly heard issuing from the mouth of the volumenal collery. Help, help! I shall be killed!" Pable in a moment recognized the voice as Nina's. ance of his little playmate, and discovered that she

was bring attacked by half a dearn great seasonly. and only after rectiving some severe blows from their beaks could be succeed by mesns of a stout ended in driving them away "Tell me, Nizz, what is this?" he asked so soon

as the turnult had subsided. The child pointed to a bird which she was caressing tenderly in her bosom.

He took the hird, and rushing into the half "Another message, no doubt," cried the captain, "from our unknown friend. Let us hope that this time he has given us his name and address." All crowded round, eager to hear the news. In the strangle with the gulls the has had been portially torn open, but still contained the following dispatch;

placed it in Servedac's hands

"Gallie! Chemin surcours du 1er Mers un 1er Auril: Distance du soleff: 110,000,000 1. I

Cauté Nérina en passant. Virres wort manager et .. .

The rest of the document had been so damaged by the beaks of the guils that it was illerable. Ser-

vadac was wild with vexation. He felt more and more convinced that the writer was a Frenchman, and that the last line indicated that he was in distreas from acarrity of food. The very thought of a follow-countryman in peril of starvation drove him well-nigh to distraction, and it was in value that sourch was made everywhere near the some of conflict in hopes of finding the missing sersp that

might bear a signature or address Suddenly little Ninz, who had again taken possession of the pipeon, and was hunring it to her

"Look here, Ben Zoof!" And an she spoke she pointed to the left wing The wing bore the faint impress of a postage

stame, and the one word: "PORNEYTERA."

CHAPTER XXIV

Formenters was at once recognized by Servadar and the count as the name of one of the smallest of the Balearic Islands. It was more than probable that the unknown writer had thence sent out the mysterious documents and from the message just come to hand by the carrier-pigeon, it appeared all but certain that at the beginning of April a fortuicht hack he had still been there. In one important particular the present communication differed from those that had preceded it: it was written entirely in Francis, and exhibited none of the cestatic contametions in other languages that had been remarkable in the two former nanera The concluding line, with its intimation of failing provisions, amounted almost to an appeal for belo-Cartain Servadae briefly drew attention to these points, and concluded by saying, "My friends, we must, without delay, harten to the assistance of

"For my part," said the count, "I am quite ready to accompany you; it is not unlikely that he is not alone in his distress."

Lieutenant Procope expressed much surreins. "We rount have massed close to Formentern" he said, "when we explored the site of the Balearie AMAZING STORIES

tempt to skate across to Formentera. The lieutenant, who was lost in thought, made no immediate reply. "I wish we had a sledge," said Ben Zoof,

certain degree, but it was not likely that the yard would answer her helm in any way corresponding to vide for itself

and the mobine stentile. A strong desire was expressed by Lieutenest Proome that he should be allowed to accompany Captain Servadac instead of Count Timascheff. It that unless some better plan could be deviced, be

day and night without intermission, we shall not be more than three days in reaching Formenters." "Believe me," persisted the lieutenant, calmly, "your enthusiasm is carrying you too far; the feat you propose is impossible; but even conceding the possibility of your success in reaching your destination, what service do you imagine that you, halfstarved and half-frozen yourself, could render to those who are already periables by want and exnegared year would only bring them away to die." The obvious and dispossionate reasoning of the lieutenant could not fail to impress the minds of those who listened to him; the impracticability of the fourney become more and more apparent; unprotected on that drear exponse, any traveler much assuredly succumb to the snow-drifts that were continually being whirled across it. But Hector Servadac, a suffering fellow-creature, could scarcely be brought within the bounds of common sense,

animated by the generous desire of recoging Against his better judgment he wes still bent upon the expedition, and Ben Zoof declared himself ready to accommany his master in the event of Count Timaschoff hesitating to encounter the peril which the undertaking involved. But the count entirely remodiated all idea of shrinking from what, quite so much on the captain, he regarded as a sacred duty, and turning to Litutenant Process, told him

was prepared to start off at once and make the at-

place, supposing you travel at the rate of twenty leagues a day, you would be exposed for at least eax consecutive days; and thirdly, your expedition will be of small evail unless you convey provisions not only for yourselves, but for those whom you hope to relieve." "We can carry our own provisions on our lands in knamacks," interposed Servadac, quickly, unwilling to recognize any difficulty in the way. "Granted that you can," answered the Heutenant,

quietly: "but where, on this level ice-field, will you

find shelter in your periods of rest? You must

perish with cold; you will not have the chance of dirring out tos-buts like the Esouimaux." 'As to rest," said Servadac, "we shall take none;

we shall keep on our way continuously; by traveling

pealed to the count for confirmation of his opinion, "Your enterprise is penerous," he said, "and I abould be most unwilling to throw any unnecessary obstacle in the way of its execution: but, parden me, if I submit to you a few considerations which to my mind are very important. First of all, the thermometer is already down to 22" below pero, and the keen wind from the south is making the temperature absolutely unendurable; in the second

ist "It must be a hundred and twenty leagues away," said the lieutement, thoughtfully; "and I do not quite understand how you would propose to ret "Why, on skates of course; no difficulty in that, I should imprine," answered Servador, and he ap-The count assented, but Procope looked doubtful.

caped our observation."

"However small it may be," replied Servador. "I dare say that a sledge of some sort could be "we must find it. How far off do you suppose it

objected the count.

contriend" said the count. "but then un should have no dogs or reindeers to draw it."

"Why not rough shoe the two horses?" "They would never be able to endure the cold,"

"Never mind," said Servedac, "let us get our

done?"

sledge and put them to the test. Semething must be

"I think," said Lieutement Procope, breaking his

thoughtful silence, "that I can tell you of a sledge

already provided for your band, and I can support

a motive power server and swifter than bornes.

"What do you mean?" was the eager inquiry. "I mean the Debraua's vaul," assumed the lies

tenant: "and I have no doubt that the wind would

carry her rapidly along the ice."

The idea seemed admirable. Lieutenant Procope

was well aware to what marvelous perfection the

Americane bad brought their sail-siedres, and had

heard how in the yest wrairies of the United States. they had been known to outvie the speed of an ex-

press train, occasionally attaining a rate of more

than a hundred miles an hour. The wind was still blowing hard from the south, and assuming that

the vawl could be propelled with a velocity of about fifteen or at least twelve leagues an hour, he reck-

oped that it was quite possible to reach Formenters.

within twelve hours, that is to say, in a single day

between the intervals of sunrise and sunrise.

The vawl was about twelve feet long, and capable of belding five or six people. The addition of a couple of iron runners would be all that was requisite to

convert it into an excellent along, which, if a sail

were hoisted might he deemed certain to make a rapid progress over the smooth surface of the fee For the protection of the passengers it was proposed

to erect a kind of wooden roof lined with strong

cloth; beneath this could be nacked a supply of provisions, some warm fure, some cordials, and a portable stove to he heated by spirits of wins.

For the outward journey the wind was as favorable as could be desired; but it was to be amorehend-

ed that, unless the direction of the wind should change, the return would be a matter of some difficulty; a system of tacking might be carried out to a

what would occur in the open sea, Captain Servedac, however, would not listen to any representation of probable difficulties: the future, he said, must pro-

The engineer and several of the sailors ast vigorously to week, and hefere the close of the day the yawl wee furnished with a pair of stout iron run-

ners, curved unwards in front, and fitted with a metal fin designed to assist in maintaining the

directness of her course; the roof was put on, and beneath it were stored the provisions, the wrans,

was inadvisable for all three of them to on, as, in

the fixed stars,

space at their command would be quite inadequate. The lieutenant aread that he was the most experienough seamon, and an such was best applified to take command of the sledge and the menagement of the earlis; and as it was not to be expected that Servodan would recign his intention of going in person to relieve his fellow-countrymes. Procone submitted

very anxious to have his share in the philusthropic enterprise, and demarred considerably to the pronosale: he visited however, after a time to Servedae's representations that in the event of the expedition proving disservous, the little colony would need his services ellies as presented and projector, and overcoming his reluctance to be left out of the perilout adventure, was respected upon to remain behind for the general good of the community at Nina's At service on the following morning, the 16th of

April, Captain Servadac and the lieutenant took their places in the yawl. The thermometer was more than 20° below zero, and it was with deep emotion that their companions beheld them thus embarking upon the yast white plant. Ben Zoof's heart was too full for words. Court Timoschaff could not forbear pressing his two brave friends to his bosom: the Smanlards and the Russian sallors crowded round for a farewell shake of the hand, and little Nins, her great eyes flooded with tears, held un her face for a norther kuss. The said occur was not permitted to last long. The sail was quickly heisted, and the sledge, just as if it had expended

a hope white wing, was in a little while earried far Light and unimpeded, the vawl acudded on with incredible speed. Two sails, a mainsail and a jill, were arranged to catch the wind to the greatest advantage, and the travelers estimated that their leagues an hour. The motion of their novel vehicle that of an ordinary rankeny-carriage, while the diminished force of gravity contributed to the swiftness. Except that the clouds of londest raised by the metal runners were an ovidence that they had not actually left the level surface of the ice, the contain and lieutenant might aroun and aroin have

imagined that they were being conveyed through the air in a balloon. Licutenant Procope, with his head all muffed up for fear of frost-bite, took an occasional perp through an anerture that had been intentionally left in the roof, and by the help of a company, maintained a proper and straight course for Permentera. Nothing could be more dejected than the aspect of that froom sea; not a single living creature rollered the solitate; both the travelers. Procope from a erientific point of view. Servadae from an mathetic. were alike impressed by the solemnity of the seems, and when the lengthened shadow of the sail cast

unce the lee by the oblique rays of the setting surhad disappeared, and day had given place to night, the two men, drawn together as by an involuntary There had been a new moon on the previous evening; but, in the absence of mocalight, the constellations shows with remarkable brilliancy. The new pole-star close upon the berizon was resplandent

Observing that Servadae was completely absarbed in his own thoughts. Lieutenant Procone had leisure to contemplate some of the present nurslexing problems, and to pender over the true astronomical position. The last of the three mysterious decuments had represented that Callia, in conformity with Kenler's around law, had traveled alone her orbit during the recets of March turney williams of learnes less than she had done in the previous month: vet, in the same time, her distance from the son had nevertheless been increased by thirty-two

his course by the guidance of that alone. However,

the oun, it was after all manifestly insignificant in

comparison with the remoteness of the nearest of

millions of learnes. She was now, therefore, in the between the orbits of Mars and Jupiter, and had captured for herself a satellite which, according to recently identified. If thus, then, it was within the power of the unknown writer to estimate with such not likely that his mathematical calculations would to the date at which she would begin again to apprough the sun? Nay, was it not to be expected that he had already estimated, with sufficient armroximation to truth, what was to be the true length of the Callian year?

lowing their own train of thought, that daylight rearrecord almost before the travelers were aware of it. On consulting their instruments, they found that they must have traveled close upon a hundred learnes since they started, and they resolved to slanken their speed. The sails were accordingly taken in a little, and in spite of the intensity of the cold, the explorers ventured out of their shelter, in order that they wight recognitive the slave which was apparently as boundless as ever. It was completely desert; not so much as a single point of rock "Are we not considerably to the west of Formen-

So intently had they each seearately been fol-

tera?" asked Servator, after examining the chart.
"Most likely," replied Proceps. "I have taken the earne course as I should have done at sea, and I have keet some distance to windward of the Island: we can bear straight down upon it whenever we like." "Rear down then, now; and as quickly as you

The yawl was at care put with her head to the northeast, and Captain Servadar, in defiance of the icy blast, remained standing at the bow, his gaze foud on the horizon.

All at once his eye brightened. "Look! look?" he exclaimed, pointing to a faint outline that broke the monotony of the circle that

In an instant the heutenant had seized his tele-"I see what you mean," said he: "It is a notice that has been used for some geodesic survey."

The next mement the sail was filled, and the yawl was harring down upon the object with incorpoly, able swiftness, both Contain Servadae and the lieuand even had Lieutenard Procone been destitute of fenant too excited to utter a word. Mile after mile the distance rapidly grew less, and as they drew

searce the rules they could not that it was exected on a low mans of rocks that was the sole intervention to the dall level of the field of ice. No wreath featly impossible, they conceived, that any human being easily there have survived the cold; the sad was a more cairs to which they had been hurrying.

that the lighterant took in his sail, convinced that the impetus already attained would be sufficient to be caught sight of a fragment of blue carvas fluttering in the wind from the ton of the nylon: It was all that now remained of the French actional standand. At the feet of the polen steed a miserable shed, its shutters tightly closed. No other habitation was to be seen; the entire island was less than a nuarter of a mile in circumference; and the con-

chasian was invested this that it was the sale sampleing remnant of Formenters, ones a member of the Rulearie Archinelara To leap on shore, to clamber over the slapers stones, and to reach the cohin was but the work of a few mammate. The movementer door was builted

on the inside. Servadae began to kneck with all his

might. No answer. Neither shorting ner knocking "Let us force it open, Procone?" he said. The free men not their shoulders to the door which more visided to their vigorous effects, and they found themselves inside the shed, and in almost

total darkness. By opening a shutter thay admitted what daylight they could. At first sight the wretched place seemed to be deserted; the little guished; all looked black and desolate. Another metant's repetiontion, however, revealed a hed in the extreme corner, and extended on the had a hu-

"Dead!" sighed Servador: "dead of ecid and hur-DOT P Lieutenant Peasons hent down and anxiously con-

terrelated the hede "No be in allve!" he said, and drawing a small flack from his nocket he round a few droms of brandy between the lips of the senseless man,

There was a faint sigh, followed by a fooble voice, which attend the one word. 'Gellio!" "Yes, west Gallial" eshood Servadae, cagerly,

"My cornet, my cornet!" said the voice, so less as to be almost insudible, and the unfortunate war. relapsed again thto unconsciousness. "Where have I neve this man?" throught flervadae

to himself: this face is of remode femiliar to we? But it was no time for deliberation. Not a moment was to be but in metting the enconstruction esternamen aman from his deselete engelete. He was soon conversed to the vand; his books, his seenty wandrobe, his namers, his instruments, and the blackboard witch had served for his calculations, were quickly collected: the wind, by a fortuitous neverthence, had shifted total a foresuble convict-

they set their sail with all speed, and ere long were on their former back from Prementors. Thirty-six hours later, the brase travelers were greeted by the arelamations of their fellow-coloplate who had been must envisorely assetting their reappearance, and the still senseless aspest, who had neither owened his eyes nor speken a more throughout the foremer was safely devocated in the warmth and security of the great hall of Nina's

END OF PURST BOOK (Construted to Most (some)

Now that you have looked over the first issue of AMAZING STORIES, the editor would very much like to know how you like the new magazine. the coming issues we shall probably ron a department entitled "Readers Letters", which will be a forum where our readers can discuss the various problems in connection with these stories. Very often you are outsied over information. We shall try hard to keep this new department for the benefit of all, and will try to publish all letters received from readers of AMAZING

If, on the other hand, you have comments, criticisms, and suppostions, begood enough to let us have all of these. The editor would also like to know whether you like the present makeup of the magnature; that is, one story in turn narts, as, for instance, the one we present this month, "Off on a Comet" with the balance in the next issue-or whether you would rather have the complete story in one issue, without the abort stories as printed in the present

number. Rest assured that the editor will be guided by the majority at all times. A word from you will be greatly appreciated, PRITOR

OFF ON A COMET



attenno, a midden convolutes accurred and a great phanes in the antiserre was noted. The sun year in growthy was reduced so that they could turn to a sons a charge on the contour of the country and as the chore was charged. Everything was altered.

The Business mobilescen consect a market the "Disbruse." And now Captain Servadae and his servant one this on the distinct aroun. She reaches the shore and finds a cafe harber. Her ouner leaves her and maste Contain Servador. The dust under these is nut to mark to employe the surroundings and to

on by the erenzo-con on the bettern of the lend. bed. Some English officers are found on an isolated most sabled once enmoned to be all that once left of the Rook of Gibraltar. Presently a scaled two is found floating on the under-us old leather teletennerature sobish has been own blok man fell to that of inter-stellar space. Later, in the mids! of these fears, some were unhabitants are found one a charming little piel. Then another measure

and solder they betale themselves to a core in the side of a volcano, where the temperature is heat there a third message from the astronomer. The arean new is france over. They not exchal sleich, runners under the boat and so off with almost iceboat raced and find an felund on which there is a find a man, apportably dead, but solo proper to have

had ottered had been, "My comet!" To what could the ovelamentian refer? Was it.

if so, was it implied that the name of the comet

itself was Gollia, and were they mistaken in aug-

Off On a Comet Or Hector Servadae Re HILES VERNE Rook II The only intelligible words which the astronomes

THE return of the expedition, conveying its contribution from Formenwas raised to a total of thirty-six

On learning the details of his friends did not healtate in helicolne

that the exhausted individua. who was lying before him was the author alike of the two upalgood documents picked up at edge of Gallia's movements; he tial speed; but there was noth

space? Again and again they discussed these questions; but found. The only man who was able to throw any light upon the subject was lying amongot them in an approxima and

Apart from motives of heafter making the encouraging give the body such a vigorous

which it would be possible to recken what time must ened serious injury to any ordinary mortal, whilst slares before also would again approach the surth? they administered cordisis and restorables from

his exertions to recall what were the circumstances

more and more convinced that he had once been familiar with them. Perhaps it was not altorether had never seen him ourse the days of his verily, that has been fermed the age of ingratitude; for, in point of fact, the astronomer was none other than Professor Palmyrin Rosetto, Servador's old science-

After completing his year of elementary studies, Heater Servadas had entered the ashed at Saint had naver mot, so that naturally they would wellwich near from each other's recollection. One things. on the other hand, might conduce to a mutual and permonent impression on their memories; during the year at the Lyofe, young Servader, never of a very studious turn of mind, had contrivat, as the why storings turn of mann, and contrived, so the lead the poor professor a life of percetual torment. and rare in a manner that was a source of un-

harryded delight to his andience.

Two years after Servedec left the Lovde, Professor Resette had thrown up all educational umplayment in order that he might devite himself entirely to the study of astronomy. He endeavored to obtain a post at the Observatory, but his uncircles that he failed in his application; however on his own account to carry on his rewayshes withdiscovering three of the latest of the telescopic aundred and twenty-fifth comet in the catalogue; but his chief delight was to criticise the publications of other astronomers, and he was never botter

pleased then when he detected a flaw in their reck-When Bex Zoof and Negrete had extrinated their have recovered by Sarvadae and the Hentenant, they found themselves face to face with a shriveled little man, about five feet two inches high, with a round hald head smooth and shiny as an cetrich's aighted people seems to have become a part of their individuality. His person system was remarkably developed, and his body might not inagely be comthe wire, hundrois of vards to length, in permented he had been partially diseated of his slothing, his heart was found to be still beeting, though faintly. Asserting that while there was life there was hope, hour, the astronomer beyond a faint sigh, which are long was followed by another and another. He there correlately, but without exhibiting any consecond to escape by line, but they were crute unhis forehead as though instinctively feeling for comething that was recovery; then, all of a sudden his features breame contracted, his face flished *My apparent premiutes, and an entire pres-

In order to facilitate his operations, Ben Zoof had remayed the anestacles in quite of the tensuity with which they recently to adhere to the tenselty of his pottent; but he new ramidly brought them. neemed to be their natural position on the agriffine rose. The professor beyond a love sigh of relief.

Refore long the astronomer rouned himself a little related into his comptone condition. When next be prened his aven. Contain Servalar harmanted to be bending flown closely over hom, examining his features with surrous scrutiny. The old man darted said sharply, "Servoder, five hundred lines to-

It was an echo of days of old. The words were few, but they were enough to recall the identity which Serudae was trying to make out, "Is it possible?" he exchanged, "Here is my old

tancher, Professor Bonette, in very flesh and blood." "Can't say much for the flesh," muttered Ben The old man had again fallen back into a torrid slumber. Bus Zoof conturned, "His sloen in setting

yet. Haven't I heard of men more dried up than he is, heing brought all the way from Egypt in cases "You idiot!-those were mammies; they had been deed for agea."

Ben Zoof did not answer a word. He want on remaring a warm bed, into which he managed to remove his patient, who seen felt into a calm and natural sleep.

Too impatient to await the awakening of the hed to make. Servadas, the count, and the lieutenant, the "Acrelemy of Sciences" of the Colony, spent the whole of the remainder of the dev in starting and discussing the wildest conjectures about their situation. The hypothesis, to which they had now achad been formed by a fracture of the earth's surface, seemed to fell to the ground when they found that Professor Palmyrin Rosetto had associated the name of Gallia, not with their present home, but being abandoned, they were driven to make the form his companions that, although the professor

When the robbing bul here continued without a yet he was really exceedingly good-hearted; his hook was seems then his bits; and if suffered to take their course without observation, his out-"We will certainly do our best to set on with hire," said the count. "He is no doubt the author

of the parers and we must been that he will be able to give us some valuable information. "Beauty a amoutton the dreaments have refainsted ward written at the fee of overy one of them, and

The astronomer alopt on. Meanwhile, the three together had no heartation in examining his papers blackboard. The handwriting corresponded with that of the papers already received; the bisckboard was covered with algobraical symbols traced in chalk, which they were careful not to obliterate; and the papers, which consisted for the most part

of Ortached scraps, presented a perfect wilderness of prometrical furures, confe pretions of proper varisty being reported in countless profusion Lieutenant Process pointed out that these curves anidantly had reference to the entries of comate

which are variously parabolic, hyperbolic, or elimitic ence appearing within the range of terrestrial later, after some pariedic interval, to return, then, it seemed probable that the astronomer, dur-

himself to the study of cornetary orbits; and as ealerslations of thus kind are ordinarily based upon not unlikely that he had been endeavoring to trace the path of same particular corner.

before or after the lat of January; it makes all the difference," said Lieutenant Processa. "We want hide our time and bear," raplied the

court. Servadae naced restlembr up and down. "I would give a month of my life," be cried, impetuously, "for every boar that the old fellow goes sleeping

"You might be making a had bargain," said Procope, smiling. "Perhaps after all the centet has had nothing to do with the convision that we have

"Nonzense?" excluimed the captain; "I know better than that, and so do you. Is it not as clear as daylight that the earth and this comet have been

in collision, and the result has been that our little Count Timeschoff and the Houtenant looked at each other in allegee, "I do not deny your theory," each other in allegee. "I do not day your theory," observed on the night of the estastrophe was the

"Plausible enough," answered Count Timaschell "and it is to this comet that our scientific friend here has given the name Gallis,"

It still remained a puzzle to them all why the safety war should apparently be siterested in the cornet an much more than in the new little world in

"There is no presenting for the fearly of ald learnhars, wen know," said Servadae; "and have I not "Healden," added the Hentenant, "it is exceeding,

some considerable period before the convulsion hav-Thus the general conclusion arrived at by the Gallian Academic of Sauroe was thin: That on the much of the Stat of December, a cerest, greating

have fragment from the plots, which fragment from that date had been traversion the remote dealthes reafirm their salution of the phenomenon.

CHAPTER II A RESTRATION

"O THE general population of the colour the

arrival of the stranger was a matter of small arrival of the stranger was a matter of consu-interest. The Spaniards were naturally too includes to be affected in any way by an incident Russians felt themselves simply relient on their careless as to where or how they speed their days Everything west on with them in an accustomed costine; and ther lay down night after night

All night long Bon Zoof would not leave the urofessor's hedside. He had constituted himself suck surse, and considered his reputation at stake if he falled to set his patient on his feet again. He and never failed to administer the strongest condisis upon the alightest protext. Even in his sleep Rosette's treitable nature revealed itself. Ever and times with the expression of positive anger, the dreaming that his claim to the discovery of the comet was being contested or deried; but although his attendant was on the elect to eather all he could. he was able to eatch nothing in the incoherent pon-

problem that they were all eager to selve. the professor was still sound salesp; and Res Zoof. ing, evidently of some blant beavy instrument against a door that had been placed at the entrance of the gullery, more for the purpose of retaining internal warmth than for guarding against intru-

"Confound it?" said Ben Zoof, "I must put a stop to this;" and he made his way towards the "Who's there?" he creed, in no very amiable tone, PRINCES FRANCES

"Who are you? "Isano Hakkabut, Let me in: do, please, let me 'Oh, it is you, old Ashtaroth, is it? What do you want? Cap't you get anybody to buy your

"Nobody will pay me a proper price,

"Well, old Shimes, you won't find a customer have You had hetter be off."

"No; but do, please—do, please, let me in," sunplicated the Jew. "I want to speak to his Excellency,

"The covernor is in bad, and solven."

"Then walt where you are." And with this unbreputable rejoinder the orderly

natistat, when Servadae, who had been reused by the nound of vocces, called out, "What's the matter, "Oh, nothing, sir; only that hound of a Hakkabut

"Let him in them."

"Let him in, I ray," repeated the contain, were However reluctantly, Ben Zoof obeyed. The deer Without voucheafing any renly, the captain backway to the central half, stopped, and turning so as

opportunity. Tell me what you want." "Oh, my lord, my lord," whited Issae, "you must

"News? What do you mean? "From rev little tartan vander. I now the word go out from the rook here on a journey, and I naw

it come back, and it brought a stranger; and I Doroht I thought I thought --"Well, you thought-what did you think?" "Why, that perhans the stranger had some from

He passed again, and gave a glance at the captate

"Ask him what? Speak out, man," "Ask him if he brings any tilings of Europe," Servadas shrupped his shoulders in contempt and turned away. Here was a man who had been real dent three months in Gallia, a living witness to all

bergalas with European traders was at an and The orderly, however, who had littened with much amusement, was by no means dissectined for the conversation to be continued. "Are you satisfed

"Jan't it so? Am I not right? Didn't a stranger arrive here last night?" inquired the Jow.

"The Raleoric Islant" school Isaac. "Fine quarters for trade! Hardly twenty bearing from Spain! He must have brought news from

"Wall, old Manasseh, what if he has?" "I should like to see him."

"Proper the Bolsovie Inles"

"Yea."

The Jew sided close up to Ben Zoof, and laying his hand on his arre sold to a less and to innuting

a few reals if you would let use talk to this But as if he thought he was making too liberal

on offer, he added, "Only it must be at once, "He is too tired; he is ween out; he is fast aslam," answered Ben Zoof. "But I would not you to wake him."

The contain had overheard the tenor of the conyou make the least attempt to distarb our valler. I shall have you turned outside that deep imme-

"No offence, my lord, I home," starroward out the

"Silence !" abouted Servador The old man hung his head, abached "I will tell you what," said Servadae ofter a heled interval; "I will give you leave to hear what this

afrances has to tell as seen as he is able to tell us The Jaw looked perplexed

"Yer," said Servaise; "when we hear his story, "And I hope it will be to your liking, old Enchiel!" sided Ben Zoof in a verce of fromy,

They had none of them lone to wait, for within a few minutes Rosette's poervish voice was heard calling, "Joseph! Joseph!" The professor did not open his eyes, and appeared

to be alumbering on, but very shortly afterwards called out again, "Joseph! Confound the fellow! where is he?" It was evident that he was held dresoning about a former servent now far away on the ancient globe, "Where's my blackboard, Joseph?"

the orderly's face. "Are was Joseph ?" he asked perturbable gravity.

"Then get me my coffee, and he quick shout it." Bun Zeof left to go into the kitchen, and Servadas argresshed the professor in order to assist him to rising to a sitting posture.

"Do you recognize your quentum pupil, pro-"Ab. yes, yes; you are Servedae," recited Bo-

sette. "It is twoive years or more since I awar you; I hope you have improved." "Quite a reformed character, elr, I assure yeu,"

"Well, that's as it should be; that's right," said the astronomer with fussy importance. me have my coffee," he added immatiently: "I cannot collect my thoughts without my coffee." Fortunately, Ben Zoof appeared with a great cun.

OFF ON A COMET "Where, then," cried Servader eagerly, "where

hot and strong. After draining it with much annevert reliab the uniferzor out of hed walked into the common hall mound which he shared with a pre-perguised air, and proceeded to next himself in of the Dobrana had sompled. Then, in a voice full of satisfaction, which involuntarily recalled the exfirst of the mysterious documents that had been recolved he hares out "Well presierren what do you

There was no time for arrown to make a renh

"Who is that?" asked the startled professor; and

he frowned, and made a centure of resugnance.

beneath you, give me some tidium of Europe!" "Europe" shouted the professor, springing from "I want to not there!" screeched the Jows and in

suite of every exertion to got him away, he ching most tenecompaly to the professor's chair, and again implored for news of Barrens Routte made no immediate rentr. After a way

ment or two of reflection, be turned to Servadao and asked him whether it was not the middle

"It is the twentieth," answered the captain.

with the greatest deliberation-'to-day we are gust three millions of leagues away from Europe." "You seem here," continued the professor, "to

"How far we are ignorant," rejtined Servadae, "I carnot tell. But I will tell you all that we do know, and all that we bare surmised." And as briefly so be could, be related all that had happened since the memorable night of the thirty-first of how the Delowns had made her voyage; how they old continent at Tania, Sardinia, Gibraltar, and premous documents had been received; and, finally,

doned for their recent energies at Nint's Hipe. The satronomer had hardly patience to hear him "Our surposition," the captain realled, "in this,

collision with a planet to which you appear to have "Estirg than that!" eried Rosette, starting to

"How? Why? What do you mean?" cried the "You are recreet to a certain degree," continued 35.6 seconds after two o'clock on the moraing of

the first of January there was a collision; my correct graced the earth; and the bits of the earth which They were all fairly bewildered.

"Yes are on rev comet, on Gallin shadd!" And the professor essed around him with a ner-

THE PROPESSOR'S EXPERSENCES

7 RS, my comet !" repeated the professor, and

broked around him with a defined also though he could not out rid of the impression that

were intruders upon his own proper domain. But for a considerable while, Servicine, the court, and the Besterant remained ellent and suck in thought. How then, of last was the providely of the enigms they had been so long endeavoring to solves both the hypotheses they had formed in suc-

cession had now to give way before the announce-ment of the real truth. The first summetition, that some accidental modification, and the conjecture that replaced it, normaly that a cortain parties of the turnstrial orbers had been splittered off and carried into space. had both now to yield to the an unknown comet, which had caught up some scatthem for away into sidereal regions. Unfolded lay the past and the present before them; but this only Could the professor throw any light upon that?

Meanwhile Rowtte assumed a nottness profesparty to be ceremonlously introduced to him. Quite willing to humor the vanity of the countrie little man, Servadac proceeded to go through the ex-

"Allow me to present to you my excellent friend, the Court Timaschoff." be said. "You are very welcome," said Beastle, howing to the count with a smile of condescension.

edge your courtoous reception," gravely responded Servadae could not quite canceal his ammement at the count's irony, but continued, "This is Lieu-

taxant Process, the officer in command of the "His racht has conveyed us right around Gallie,"

added the contain. "Around Gallia?" cogerly exclaimed the profenner.

"Yes, entirely around it," answered Servadae, and without allowing time for reply, proceeded, this is my orderly, Ben Zoof." "Alds-fo-camp to his Excellency the Governor

maintain his master's honor as well as his own. Resette erarcely bent his head, The rest of the population of the Hive were all presented in succession; the Spanian sailors, the Spaniards, young Pablo, and little Nins, on whom the professor, evidently no lever of children, glared flarcely through his formifiable apertacles. Issue

nerosty through his formidable speciacles. Issue Hakkahut, after his introduction, begged to be allowed to sak one question.
"How soon may we hope to get hack?" he in-

"On book!" rajoined Recette, sharply: "who take of getting tack? We have harby sarried spet of getting tack? We have harby sarried spet anger, Capital Evrasdae affording save a row turn to the conversation by asking him wholter he would gratify them by relating his own resear on perimen. The astronomer second phased with the proposal, and in once conversed a vertices and proposal, and in once conversed a vertices and

sweing generaty presents the nam features.
The French forermont, help darkins of verifThe French forermont, help darkins of verifties sweinline of Ferin, sprended a selectific contraction of Ferin, sprended a selectific conductor for that puresas. Press that comitation
products for the puresas in the single, the present preparative for the press of the present products are
present as the single, the present preparative for the present that his persons are
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Associately, hereing Paris for the Bilesse's Biles, the placed as locatively on the highest point of the placed also belowatory on the highest point of Permatters, and accompanied as he was only by the processing of the processing of the processing of the processing of the contract of the processing of a forcer content and dispetched has to a high guala on the coast of Spains where he had to a superiorized a kelotropean, which, where he had to superiorized a kelotropean, which, there have been a superiorized a kelotropean which the best parts of the content of the best parts and two monthly dispetched and the superiorized parts of two monthly dispetched and the superiorized parts of the best parts and pured of himself, and which which he and admission years and the hayers, in that which he and admission years and the hayers, in the superiorized parts and pured of himself, and

which would immercially his name.
The task he had undertaken formated the jut most reptions. Night after night, in order to fix the says of his triangle, he had be ligner on the world for the auditative largest after which for the auditative largest, he had be larger on the world for the auditative largest, he had be larger in the force that his processors, Arrays and Ros, had had to wait satyrone days for a similar purpose. What relaxed the work we the dusar for which, as mentioned before, at that time exceeded net only that part of Burpey, but almost the entire world.

though before, at that time covelaged act only that port of Europe, but almost the earlie weekf.

News fading to turn to the best advantage the test intervals when the mist lifted a little, the arthronome would at the same time cast an inquiring gluone at the firmanument, as he was greatly beterated in the revision of the chart of the learness,

In the region configuous to the constellation Gemini.

To the naled eye this constellation consists of only six stars, but through a telescope ten inches in diameter, as many as six thousand are visible. Resolue, however, dit not possess a telescope of this magnitude, and was obliged to content himself with

the good but comparatively amall, instrument by

On one of these consistent, whilst carriedly gauging the recession of Germit, he coupled a bright spack which was unregistered in the chart, as of the coutries he took free a small state that of easier the barseries of the causal state that of easier that is entered in the catalogue. But the observation of a few separates injusts accor under transificat that the star was rapidly changing its position with regard to the adjuscent stars, and the adviscours's basis began to keep at the thought that the recover of the discovery of a new sharts would be associated.

with his name.

Reflecting his attention, be soon satisfied himReflecting his attention, be soon satisfied himReflecting his attention, be soon satisfied himreflecting that his actual his place of the displacement rather forced him to the comjecture lash it must be a come, and this epirions
was soon strengthessed by the appearance of a come,
and subsequently confirmed, as the body approached
and subsequently confirmed, as the body approached

the sun, by the development of a tall.

A court! The discovery was fast to all further progress in triangulation. However conselectionly the assistant on the Spenish coast might book to the Saidling of the beavor, Rocette had not a ginne to spore for that direction to had not eyes except for the one object of his attice, no thought spart from

A const! No time must be lost in calculating its elements.

Now, in order to calculate the elements of a count, it is always decemed the suffect made of pro-

colonia is a more consistent of the separation. Order, as a surject consistent of the problem, as a surject consistent of their problem, as a surject consistent of their problem, as the force of their order, and famoust as a parallela in nearly an ellipse, but with its acts indefinite by produced, for some sheet parties of its pothway the order may be indifferently considered either one of the problem, and their consistent of their consistent

points to determine the circumference, so, in anectationing the elemants of a conect, three different positions must be chosened before what astronomore all the "opherectes" can be established.

But Professor Resette did not contant binnesis

with three positions; taking advantage of overy rift in the fee he made ten, trenty, there choeves the best in right accusates and in declinations in disconsideral in section with the accuracy the five elements of the count which was determined to the country of the country of the wards the outh.

These elements were:
L. The inclination of the plane of the cometary
orbit to the plane of the editate, an angle which

is generally considerable; but in this case the planas were proved to coincide.

2. The position of the ascending node, or the

Yate position of the ascending node, or the
point where the count receased its interestrial orbit.
 These two elements being obtained, the position
in space of the count's orbit was determined.
 The direction of the soils major of the orbit.

which was found by estrubiting the longitude of the comet's perihelion.

4. The perihelion distance from the sun, which octifed the precise form of the numbels.

Rosette thus found himself able to calculate the calling it Palmyra or Risette, after his own name.

he resolved that it should be known as Golife. His next business was to draw up a formal report. Not only did he at once recognize that a colnaw that it was fugy(table, and that it must happen

shock could burdly fall to be violent.

To say that he was cloted at the prospect was far below the truth; his delight amounted almost the selitude of Formenters in sheer fright; but, without correspondenting a word of his startling diswhere; and the ignorance of the world so to the need that threatened it exerted the name that would have philosopher of Fermenters in sele possession of the great secret. He show to his nest with the greater

approaches to the partit of Alegria and as it had a The shock came, and with it the rought already from his servant Joseph, and when, after a lone

the professor save with sundry repetitions and secred by no means justified by the noticet and

must tell you scorething more. Important changes that I was still upon the earth. No! the earth, attanded by her meen, continued to rotate along her proper orbit. But we, pentlersen, have nothing to

we might all have been crushed to death, or the cornet might have remained in adhesion to the had the netlefaction of making this marvelous oncurreton through untraversed selar regions. No.

have uset with some resistance.

"Debayet" said Boastie disdainfully "A malehill like Montmarire would have been ground to "Misla boll!" ovelsimed Bee Toof street to the

culck. "I can tell you it would have cought up your bit of a corret and worn it like a feather in a con!" The professor leoked angry, and Servadar having imposed afferce ween his orderly, explained the Montmortre, Always absilient to his master, Hen forwive the slight that had been cost ween his be-

astronamer had been able to continue has observed Gallia's path through space to make him correctent to determine, as hast approximately, the period of and contien as he could Lieutenant Processe on

information on this point. "Before the shock sir," answered the professor. "I had conclusively demonstrated the path of the errort; but, in consequence of the modification which that shock has entailed more yet county court. I have been compelled to recommence my calculations

The Restaurant looked disappointed. "Although the orbit of the earth was mailtered," continued the professor, "the result of the collision was the projection of the comet into a new orbit

"And may I ask," said Procupe, deferentially

"Then perhaps you know-"I know this, sir, that at 47 minutes, 35.6 sec-

onds after two seleck on the morning of the lat of January last, Gallis, in passing its ascerding node, come in contact with the earth; that on the it reached its peribelion on the 15th; that it recrossed the orbit of Venus; that on the 1st of February it passed its descending node; on the 13th crossed the orbit of Mars; sutered the some of the telescopic planets on the 10th of March, and attracting Norma, carried it off as a satellite."

"We are strendy sequested with well nigh all these extraordinary facts; many of them, moreover, we loarned from documents which we picked up, and which, although unsigned, we cannot entertain Professor Resette drew himself up proudly and sold: "Of course they originated with me. I sent

there off by bundreds. From whom else could they come?" "From no me but varrents, agricials," retained

the court, with grave politeress, Hitherto the conversation had thrown no light

was disposed apparently to evade, or at least to postpone, the subject. When Lieutenant Process was press the little second too far, interrupted him hy

having suffered so little from such a formidable "Afraid an? Why afraid of such a recetion?" "Because we are doing encoodingly well as we "I account for it in this way " answord Deputter "Because we are trong encountry and as no "the earth was traveling at the rate of \$8,000 ground, by way of emphasis, and added, "If I had as though a train, rushing along at a greed of

countered some obstacle. The nucleus of the cornet. would do fired with that velocity class to a name of often. It has owned the earth without cracking

"It is resulble you may be right," said Servedae

"Right! of course I am right!" realist the sname

might have coused are beyond reckening. Perhans," he added, with a arefle, "your Montreortre

"Rivi" shouted Ben Zoof, cuito mable to bear the

"Quiet, Ben Zoof!" sald Servadac storaly. Portunately for the soke of neace, Isaac Hokkaness, implered the professor to tell him when they monid all he hark sosie upon the earth. "Are you in a great hurry !" asked the needlessor

The Jew was about to speak again, when Captain Serendar interposed: "Allow me to say that, in

"Did you imply that the orbit has ceased to be a

"Is it then an hyperboln? and are we to be can ried on far and away into remote distance, and

"I did not say an hyperbols."

"Then it must be an ollingel"

"And does its plane coincide with the plane of the

"Then it want he a periodic comet?"

Rervolve involuntarily raised a ringing shout of "Yes," continued the professor, "Gallia is a nertodic comet, and allowing for the perturbations to

"You ween that in two wars after the first shock, Callle will most the earth at the same point at

A REVISED CALENDAR LL previous hypotheses were now forgotten

In the presence of the one grant the the the stands ofter the shock was the retreating easth. to the proximity of which the one high tide they As to the fulfillment of the professor's predic-

The next day or two were spent to providing for the accommodation of the newcorner. Fortunately

little or no regard to the ingenuity with which all the internal arrangements of Nina's Rive had been former tator, Servedge proposed to put the most but the professor resolutely declined to pecupy It saying that what he required was a small chamber,

tury where he might continue his studies without before long they were lucky enough to find, about a bundred feet above the central grotto, a small renave or case believed, as it were, in the mountain contained room exough for a bed, a table, an armchair, a chest of drawers, and, what was of still

In these retired quarters the astronomer took up

his abods. It was on all hands asknowledged to be his observations by night, and very rarely made his appearance amount the rest of the little com-

The gold now became very intense, the thermometer registering 50° C. below zero. The mercury, that are over and again to be observed in variable .

This steady sinking of the mercury was accomthe very air seemed to be convenied; no particle of chool; neither were there any of the damp mists or dry fogs which so often extend over the polar regious of the earth; the sky was always clear; the sun abone by day and the sizes by night without causing any perceptible difference in the temperature.

ing any prompible difference in the temperature, where the process of the discover is the temperature of the discover that the control of the discover that gives fault to Archie explorate or the discover that gives fault to Archie explorate proteins and the discover that gives fault to Archie explorate or the discovery of the d

herew its righer.

Stevenbarten, thus, the extention becomes of the Stevenbarten, the best in population found that they were alle to more about it they were alle to more about it the open all with they were alle to more about it the open all with they were alle to more about it the open all with the opin all with the opin all with all was the opin all with the opin all with the opin all with all was the opin all with the opin all with the opin all with all

printer, Pully were at his companion able, ready we have recording to the control of the control

to his own personal and pecuality advantages; that no—the datire of gain was too theroughly ingratical into his hard nature over to be cardinated, gratical into his hard nature over to be cardinated, the projection of a Franch (chore, who, scoopt under the Bast urgent necessity, would not persit kind to be medicated in retaining this property, he determined to walt for zone energency to arise which should enable him to see his present alumin for

On the one head, the Jow took it into account that although the chances of returning to the earth night he remain, yet from what he had been from the prefessor he could ack believe that they were improbable; on the other, he know that a considerate some of money, in English and Kaminet of the Illitte osing, and this, although valueless may rough be worth as much as over if the proper of Gallin leto his procession, and to do this he man sell his groots. But he would not sell them yet; there might come a time when for many articles the supply would not be equal to the demand; that would be the time for him; by waiting he readoned he should be able to transact none lacestive business.

Such in his solitude were old Issae's cogitation whilst the universal population of Nina's Hire we congretulating themselves upon being rai of it adopts presence.

odorus protecco.
As airwely stated in the message brought by the sarrier pigeon, the dilutence traveled by Golfs in the sarrier pigeon, the dilutence traveled by Golfs in travels the was 11,000,960 leggue frace the sun. A diagram representing the elliptical certif of the phorat, accompanied by an ophomeric mode out in minute detail, had been drawn out by the professor.

The process of the processor of the processor of the sun wegate length properties of the processor of the pro

tance described in the twenty-four months of the Gallian year, the twelve former devisors, according to Kapber's law, gradually distinishing in length as they approached the point denoting the spieline and increasing as they rearred the peribeline. If was on the 18th of May that Rosette exhibited thus result of his labors in Servador the continuous

that result of his labors to forwards, the sense, he could not be a sense between the could will be a fine sense be under country of any of the could will be a fine sense between the could be a fine sense between the could be a fine sense be under the could be a fine sense be represented by the could be a fine sense be represented by the could be a fine sense be represented by the could be a fine sense be represented by the could be a fine sense be represented by the could be a fine sense of the could be

heave her about 149,000,000 leagues distant from the aun,"
"Just so," replied the professor.

"Then we have already peased the sens of the telescopic planets, have we not?" saked the ount. "Can you not use your eyes?" saked the ount. teathy. "If you will look you will see the some marked dearly crough upon the map." Without noticing the interpretation. Severales con-

tinued his own remarks, "The eccent then, I are is to reach its aphelion on the 10th of January, as actly a twolvementh after passing its perficien." "A twolvementh! Not a Gallian twolvementh!

exclaimed Rosette,

Servadae bedoed bewildered, Lieutenant Procepe
could not suppress a smile,

"What are you kughing at?" demanded the ten-

a "What are you laughing st?" demanded the pron feaser, turning round upon him angrily.
"Nothing, air; only it amuses me to see how you

"I want to be logical, that's all."
"By all manner of means, my dear professor, let

AMAZING STORIES "Well, then, listen to me," resumed the preference, show of existence was an accomband which from the

"Well, then, listen to me," resumed the professor, stilly. "I presume you are taking it for granted that the Gellian year—by which i mean the time in which Gellian makes see revolution round the sun is equal in length to two terrastrial years."

as equal in length to two terrestrial years."

They signified their easent.

"And that year, like every other year, ought to be
divided into twelve months."

"Yes, cortainly, if you wish it," said the centers.

acquisering.
"If I wish it?" exclaimed Rosette. "Nothing of
the nort! Of course a year must have twelve

"Of course," said the captain.

"And how many days will make a month?" saked

"And how many days will make a month?" asked the prefessor.
"I suppose sixty or sixty-two, as the case may be, The days now are only half as long as they used to

The days new are only half as long as they need to be," answered the captain. "Berweise, don't be thoughtless!" cried Rosette, with all the petulant impatience of the old pedaports. "If the days are only half as long as they prope."

gogue. "If the days are only half as long as they were, sixty of them cannot make up a twelfth part of Gallia's year—cannot be a month." "I surrows not," realised the confused cartain.

"I suppose not," replied the confused captain,
"Do you not see, then," continued the sattenamer,
"that if a Gallian mouth is twice as long as a terrestrial mouth, and a Gallian day is only half as

restrial month, and a Gallian day is only half as long as a terrestrial day, there must be a hundred and twenty days in every month?"
"No doubt you are right, professor," said Count

Timescheff; "but do you not think that the use of a new calendar such as this would practically be very troublescon?"
"Not a full not at all I do not intend to use any

After pondering for a few moments, the captain spake again. "According to this new calendar, it spake again. "According to this new calendar, it

inn't the middle of May at all; it must now be some time in March."

"Yes," said the professor, "to-day is the 26th of March. It is the 26th day of the Gellina year, It

March, It is the 250th day of the Gallian year, it corresponds with the 153d day of the tarrestrial year. You are quite correct, it is the 25th of March."
"Stranger!" muitared Serradas.

"And a month, a terrestrial month, thirty old does, sixty new days hence, it will be the fifth of March."
"He, ha!" roured the captain; "this is logic with

a vengence!"
The old professor had an undefined consciousness
that his former pupil was heighing at him ead as
it was greening late, he made an excuse that he had
no more leaure. The voiters accordingly cultied

the observatory. It was the revised calendar was left to the professor's sole use, and the colony was fairly passied whatever be referred to such unheard of dates as the 47th of April or the 118th of May.

of dates as the 47th of Agril or the 11th of May, According to the old calendar, June had now acrevel; and by the professor's tables (folial attrias further above 11st orthi, and would have attained a distance of 105,000,000 languase from the sun. The thermiscopies continued to fall, the atmosphere remained clear as hereofores. The population perturns, and amonth the only thing that hardes the mosttrue, and almost the only thing that hardes the mostbusiceing, nervous, little professer, when some mades fancy induced him to throw ande his astronomical studies for a time, and pay a visit to the comman hall. His arrival there was generally halled as the precursor of a little season of cartiement. Sumchase or other the conversation would

ture salilisis between the comet and the earth, and in the same degree as the was a matter of carguine anticipation to Captain Berwells and his friends, it was a matter of aversin to the satronomical embastant, who had no desire to quit his present quarters in a sphere which, bring of his present quarters in a sphere which, bring of his great discovery. As result hardly have cored for our discovery.

more if it had been ed his own creation. The interriew would often terminate in a scene of coasiderable animation.

On the 27th of June (old calendar) the professer burst like a consequently little the covered ball.

where they were all contentions into the central half, where they were all contentions, and without a were of substation or of preface, accorded the Businesset in the way in which in earlier days he had been accusioned to speek to an 5th school-boy. "Now, liquitessent so evacious! so shuffing! Tell me, have you so have you not circumnavigated Guillat"

you or have you not circumnavigated Gallia?"

The Hentenant draw hinself up stiffly, "Evasional thufflings! I am not accustomed, afr—" be began in a tone swidenzing no little recentment; but catching a hint from the count he subdued has veloa, and strent raid. "We have."

"And may I sak," continued the professor, quite unawate of his previous discourtesy, "whether, when you made your voyage, you took any account of distracted?"

"As a representative as I could," profest the Mon.

tanni; "I did what I could by log and compass. I was unable to take the altitude of sun or star."
"At what result did you arrive? What is the

"I estimate the total circumfarence of the equator to be about 1,440 mfks."
"Ah!" said the professor, more than half speaking to himself, "a circumference of 1,400 miles

would give a diameter of about 650 miles. That would be approximately about one-electeouth of the diameter of the surful. Raising his voice, he continued, "Gentlemen, order to complete my account of my cornet Gallis, I

orear to compare my account or my count tailin, I require to know its area, its mass, its volume, its density, its specific gravity."

"Since we know the diameter," remarked the liqu-

tenant, "there can be no difficulty in finding its surface and its volume."
"And did I say there was any difficulty?" asked the preference, ferreely. "I have been able to recken

the professor, hereely. "I have been able to recker that ever since I was born." "Cock-a-deedle-doo?" cried Ben Zoof, delighted at

"Conse-needle-mor" cried see Zoof, delighted at any opportunity to pay off his old gradge.

The professor leoked at him, but did not worshafs a word. Addressing the captain, he mid, "Now,

With more submission than when he was a school-buy, the captain sat down and endeavoured to

recall the proper formula.

"The surface of a sphere? Multiply circumference by diameter."

"Bight!" cried Rosette: "but it quickt to be dens by this time. "Circumference, 1.400; diameter, 450; area of sorface, 630,000," read the centain "True." replied Resetts, "810,000 square miles;

inst 292 times less than that of the earth." "Pretty little comet! nice little comet!" muttered The estendamer hit his lin, smorted, and east at

"Now Captain Servadae," said the professor

"take your pen again, and find me the volume of

"Onick, swick?" oried the professor, impatie "agrely yeg have not forgotten how to find the volume of a sphere?" "A moment's breathing time, please," "Breathing time, indeed! A mathematician

should not went breathing time! Come, multiply Captain Servadae applied himself to his task while the in-standers waited, with some difficulty sup-

pressing their inclination to laugh. There was a

"Just about one foodbenourdth that of the earth" observed the Bentemant. "Nice little comet! nextly little comet!" said

The professor secwied at him, and was manisions of his comet pointed out in so disparacing a from the earth he supposed it to be about as con-

would require a good telescope to see it "He, ha!" langhed the orderly, aloud: "charming little comet | so pretty; and so modest?" Hen Zoof laughed the more, and was on the point of repealing his sattrical comments, when a stern order from the captain made him held his torque. tive about his comet as the orderly was about Mont-

martre, and if the contention between the two had been allowed to go on unchecked, it is impossible to any what serious quarrel might not have arisen. reatored, he said, "Thus contiemes, the dismeter, the surface, the volume of my second are sattled; but there is more to be done. I shall not be patie-

"A laborious problem/" remarked Count Time-

"Laborious or not, it has to be accomplished "World it not be of some assistance, if we know of what unbetance it is correspond?" saked the

"That is of no mement at all," replied the professor: "the problem is independent of it."

"You renet understand, however," said Reactio, "Phat there are various realiminary establishes to be made; very will have to wait till they are "As long as you please," said the count.
"No hours at all," observed the cantain, who was

not in the least impolared to controve his weether "Ther, postloner," said the astronomer, "with your leave we will for this purpose make an ap-

pointment a few weeks hunor. What do you say Wribert noticing the general amile which the

CHAPTER V

TNDER the still directiching influence of the rance Godin continued its inter-physicians lite, which performed its fortnightly revolutions

Meanwhole, the question beyond all others imcalculations correct, and was there a sound foundstouch the earth? But whatever might be then

doubts or anxieties, they were fain to keen all them The rest of the community by no means shared in their uneasiness. Negrete and his fellow-countrydifference. Happier and better provided for than they had over been in their lives, at did not give

carelled out their favorite songs, just as if they Happicet of all were Pable and Nina. Racing through the galleries of the Hive, clambering over

Nor was their recreation allowed to interfere with their studies. Captain Servadac, who in commer with the count really illerd them both, ecocorred that the responsibilities of a parent in some degree had developed upon him, and took great care in

Indukred and loved by all, it was little wonder

o erecent

100 AMAZINO STORIES

"They had now a home in which they
had orbitate to destre.

"There you no fother or mether?" asked Pablo,
one sky, "No," sha suswered.

"And the very kiterron, weight, you used would
"And the very kiterron, weight, you used would
make the property of the company of the property of the pr

"The same in the same of the logs of a used to run along the same of the same of the same of the difference when I was in Spatian."

"I used to look after greats at Mahkhara," and INIaa, "saut it is much noter here—I am so happy between I may so for a bringly not seen and the same of the same

love. I have you for a kurshir, and curryindy is so blad. I am sirabile they will gold up, Albeld, "the critical state of the property of the property of the sided, smiling." prop use to go good in its prints, and when I am will you pay not good to be a print, and when I am will you pay not have good to all," and when I am will you pay not have good to all," and by the property of the prints of the prints

ON Improv. the distance from the saw of the ond the receives to provide me at once will support the provide me at the ord the provide me at the provid

The professor stemped with vexation.

brows, and eyelashes, until their faces, covered with

In the time the 6th of April, according to the revised Gallina scientific, descend in in purchand in fulfillment of the professor's appointment, in site was oblivered to Servadue to say that he was ready, and hoped that day to commore operations for all the servant and hoped that day to commore operations for all the servant and the

A pain of the greater interact to Capitals Stresses, and thereor it.

and the trime when the tree has no accretism
the nature of the substance of which the count was
the nature of the substance of which the count was
composed, but they find ladged is reached the proposed by the property of the prope

were some johned by Bienetic, who assumed to be in history good tempor. "I propose in-day to sense the beard the discover." "Littelficence," to began, "I propose in-day to the sinessian set of the control response or advantations and the sinessian set of the more indicated to our things control to represent the sinessian set of the more indicated to our things control to the more indicated to our things control to the more indicated to our the sinessian set of the si

from this attractive force we know, by the increases well do it well for you if you will give him the peroferer law measuring from, must of course he conciderably has been that the qualities of the matter; and thricky, its density or quantity of matter is a proper measure of length.

mit of the volume. We will goed greek prehimms, if

Bon Zeef was sent aff to reassak the stereo for

Real Zeef, who had just entered the ball, cought

the received in the sent content of the sterior in the sent content of the sterior in the sent content of the sterior in the sent content of the sent content of the sterior in the sent content of the sterior in the sent content of the sterior in the sent content of the sent

weed, west out again and was absent for comes indicate. When the trigrand, be said in the weigh this course of years. I suppress you want to weigh this course of years, I suppress you want to weigh this course of years, I suppress you want to come find a pair a shadow, but I have been to be laid, and I I. The rest of the pairty followed, and were second colds intellectually, "you work each them are," but in the come air upon the rocks that everlang the said in the comes of the them are," in the contract of the former and the contract of the former and

consider a pair anywhere. And while more, "be in the open air upon the rocks that everbuag the air addition intellectually," you work feet them anywhere."

A frown came over the professor's countestone.

Servades and it, and gave his criefty a sign that professor is written the Johnson and the first principal in laterality.

The should death on criticity from his laterality.

The temperature was low flowed previous ex-

he should dealst criticaly from his lantarity.

"I require, goutherms," recumbed Rosette, "first
of all to know by how much the weight of a kibgram here differs from its weight upon the sort here in the standard it without much actual suffering. Their
here there from its weight upon the sort here in the standard was at one concessed
the standard was at one concessed.

many whalers.

according many solding coloding many també hadingone It was sucht c'clock in the murning. The arm was rapidly approaching the south; but its disc

proper warreth and reference. The volume to its From this hole projected the tube of an astronomer's

See and land asomed Nepded into one dreamy or as the result of their skuting expeditions; the

complicated as the figures traced by aquatic insects upon the serfece of a root. Acress the cureter of a mile level around that lay between the mountain and the creek, a series

On approaching the creak, Lieutenant Procone

"What a strange phenomenon?" couldined the

"It makes me very uneasy," rejoined the lieutenant; "in shallow places like this, as the crust of

"But surely this process of comerciation must have

"But who can say what that limit will be? Reof cold," replied Procone. "Indeed, I hope not!" exclaimed the professors "where would be the use of our traveling 200,000,

010 learnes from the sun, if we are only to ex-"Fortunately for us, however, professor," said

the lieutenant, with a smile, "the terrograture of "And as long as there is no wind," added Servedae, "we may pass comfortably through the winter,

without a single attack of catarrh." Lieutenest Proceps proceeded to impart to the new deposits of ice, the vessel would be elevated to there it must be exposed to a coloraity similar to

There was no time now for concerting measures off-hand to prevent the disaster, for the other memthe Hexas by heard in her ley traumels. A flight of steas, recently hown by Hakkshot homosif, gave

A thin curl of him amoke issued from the conner

"Hi! old Neborhadnessar, where are you?" chouted Ben Zoof, at the full strength of his lungs. At the sound of his voice, the cable door operad. and the Jow's head and shoulders protruded onto the dock

MONEY AT A PREMIUM

7 HO'S there? I have nothing here for anyone. Go away;" Such was the inhespit-able greeting with which Isaac Hakkahut received his visitors

"Hakkabut! do you take us for thieven?" asked "Oh, was Excellency, my leed, I did not know that it was you," whined the Jew, but without

emerging way farther from his cable "Now, old Hakkshut, come out of your shall! he gives you the hanor of his company," cried Ben Zoof, who by this time had elambared up on the

After emolderable hesitation, but still keeping his hold man the caldradour, the Jany made on his mird to step outside. "What do you want?" he in-

"I want a word with you," said Servadas, "but I do not want to stand talking out here in the cold."

mount the stern. The Low trembied from band to foot, "But I cannot let you into my cehin. I am

a poor man; I have nothing to give you," he mountd The is beginning his chapter of iconstitutions over agole. But stending out here will never do. Old of the way, old Hakkshut, I say! out of the way!"

taken the pains to explain to the owner of the

hands upon his property, and that if the time abould ever come that his curpe was in requisition for the his goods, the same as he would in Europe,

"Europe, indeed!" muttered the Jew maliciously between his tooth "Recovery prices will not do for me. I must have Gallian neiges-and of my own

So laws a portion of the money had been seen printed to the curren that the space reserved for deprive me of one of the most indimensable of my

corner of the compartment stood a groull arm atomtwo or three stools and a rickety deal table, together farniture which was worthy of its proprietor.

On entering the calon Ren Zeof's first proceeding was to throw on the fire a liberal supply of mala. as approit to such reckless expenditure of his fust. The perishing temperature of the cabin, however, and by a little skillful munipulation he seen suc-

The visitors having taken what seats they could Hakkubat about the door and like a refrence

"Listen," said Seresdae; "we have come to sale Irrogalaing that at least half his navorate was to

nothing to spare; but Servedec, without heeding his complainings, went on: "We are not wing to Hakkabut looked keenly into the captain's face.

"We have only come to know whether you can lend us a suring-belonce." So far from abording any symptom of relief, the so if he had been asked for some thousand france;

"Yes!" echoed the urefessor, impatiently: "a

"Haven't yes one?" saled Servidae "To be sure he han!" said Ben Zeof Old Issac stammered and stuttered, but at last confessed that perhaps there might be one amonest

"Then, aurely, you will not object to lend it to "Daly for one day" added the renferen The Jow starsmored again, and began to object,

The cold, you know, the cold may do injury to the weigh something very heavy."

"Why, old Rohralm, do you numpeco we are going to weigh a mountain with 187" said Ben Zoof. "Better than that?" gried out the professor.

triumphently; "we are going to weigh Gallia with it-my const." "Mareiful Heaven!" shricked Isaac, felaning con-

Servades know well enough that the Jow was holdmuch lighter everything had hecome) could not pos-

The Jew still splattered, and moaned, and besi-"Well, then," said Servedee, "If you do not like to

Hakkabut. I see that you are not durnesed either to lend or to sell your balance. What do not our to The Jew's even turbilited with a sotisfaction that he was mable to conreal. "But what accounty would you give? The instrument to very valuable:" and he looked more curaing than ever

"What is it worth? If it is worth twenty frames, I will leave a deposit of a hundred. Will that satisfie He shock his hand doubtfully. "It is very little:

Issue fairly shricked aloud. "God of Issuell" be

changes without my spring-balance-my solitary

but Servadas, rother armsed than otherwise, de-

The orderly wondered how his master could refrein from strangling the old miner men the arct;

is the only apring belonce in all this new world of curs; it is worth more, much more. If I take your

"Ob, it is dart cheep; but never mind, for one look around, went out of the cabin.

"Detectable old wester!" realied the rount, full Hardly a mirete clarged before the Jew was back

again, carrying his precious instrument with ontentations care. It was of an ordinary kind. A spring balance, fitted with a hoak, hald the article to be weighed; a pointer, revolving on a disc, indioated the wright of the article. Professor Rosette was manifestly right in asserting that such a machine would register results onits independently of it would have registered a kilogram as a kilogram; here it recorded a different value alterether, as the

result of the altered force of gravity. Gold coinney to the worth of one hundred and clutched at the maney with unwistakable correness. The halonge was committed to the leaving of Bes Zeef, and the visitors prepared to quit the

All of area it accorded to the preferror that the balance would be absolutely uncleas to him, prices be more of the unit of the soil of Gallis which he pro-

mand to weigh. "Sarrething more you result lead "I must have a measure, and I reast have at

"I have neither of them," suswered Ispan, "I

have neither. I am sorry; I am very sorry." And this time the old Jew spoke the truth. He would of husiness upon terms as advantageous as the Palmyrin Rosetto ocratched his head in pur-When the old Jaw had amon recovered himself.

Back again, down the ladder, arramhled the little

professor, and before the Jew was aware of his overcoal. "Some of your money! I must have

"Money!" gasped Hakkabut; "I have no money." He was role with fright, and burdly knew what he

"Falsehood!" roared Rosotto. "Do you think I "Heave of money! French money! Free-france

The captain and his friends, who had returned to the cable looked on with minded amusement and

"Thay are mine!" shrieked Hakkahut, "No but I want!" nersisted the professor again.

"My dear professor," he said, smiller, "allow me to "Ah, your Excellency," mounted the agitated Jew.

"Silence!" cried the captain.

"I must have more than that," the professor rocttinged, "I want ten two-franc pieces, and twenty

"Let me see," said Servaine, "how much is that "Count. may I ask you," continued Serveduc, "to

"Lean!" cried the Jew, "do you mean only a

yures centained only pency money, begred to place

"No paper, no paper!" exclaimed Issue. "Paper "About as much as affert," coolly reterted the

"I am a peer man," began the Jew. "Now, Hakkahut, stop these miserable lementstions of voters, core for all. Hard us over two hun-

Isage beggs to yell with all his might: "Thiowas!

In a moment Ben Zoof's hand was clusted tightly

Nothing scold averages the Jew's service to make another good bargain. He began: "Money is

scarce, very scarce, yed know-"
"No more of this?" shouted Servadae. "What in-

what he was about to cay. He flung down notes to the value of several rubbes. With a greedings that could not be concealed, Hakkabat grassed them all. boward the value of his cash. He was welving some eighteen hundred per cent. interest, and accordingly

The professor pocketed his French sains with a

CHAPTER VII

QUARTER of an hour later, the visitors to A the Hessa has rea-hall of Nina's Hive. the Heren had responshed in the common "Now, wentlemen, we can proceed," said the pro-"May I request that this table may be

Box Zeef removed the various articles that were lying on the table, and the coins which had just been begrowed from the Jew were placed upon it in throu piles, according to their value

The professor commenced. "Since name of you caption to save either a meter measure or a killogram weight from the earth, and conce both these

of my own to replace them," This exordium delivered, he peased and seemed too well acquainted with the professor's temper to

Implied reproach,

indeed, they are almost new. They have been receise length of a terrestrial meter." Ben Zoof looked on in perphoxity, regarding the

feasor's meaning. They know that French coinage

to all decired, the force being the standard of which the other come, whether gold, silver, or corner, are multiples or measures: they know too that the rigorously determined by low, and that the diametars of the allver coins representing five france, two france, and fifty captimes measure thirty-sayon. had conceived the plan of planing which a rember of

united diameters should measure exactly the thousand millimators that make up the terrestrial meter. The measurement thus obtained was made by means of a pair of companses divided accurately into ten equal portions, or decimeters, each of course S.f.G. Suchas lang. A red was then cut of this exact

who was directed to cut out of the solid rock the cable decimates resulted by the newfrance. The next business was to obtain the precise waight of a kilagram. This was by no resons a difficell reation. Not only the disperson, but also the

"Oh!" oried Ben Zoof: "to be able to do all this. I see you result be rich as wall so harred? With a good-ustured laugh at the orderly's remark, the meeting adjourned for a few hours. By

task, and with all due care had prepared a cubit decimeter of the material of the comet. "New, gentlemen," said Professor Rosette, "we

now arrive at Gallia's attraction, density, and DASS." Everyone gave him complete attention. "Before I proceed" be resemed, "I must recall

to your rejude Newton's general law, 'that the attractice of two hedies is directly proportional to the product of their masses, and inversely propertional to the square of their distances." "Yes," said Servades; "we remember that."

"Well, then," continued the professor, "keep it in mind for a few minutes now. Look here! In this har non farty frea-franc pleass-altogether they weigh exactly a kilogram; by which I mean if we were on the carth, and if I were to hang the hag on would register one kilogram. This is clear enough.

As he spoke the professor designedly here his eves dued upon Ban Zood. He was avowedly folabways in lecturing to watch the countensace of the least totalitrent of his audience, and when he felt childed that he must have agreeded with all the rest. In this case, however, it was technical ignor-

Seriefuel with his seruting of Ren Zoof's face, the prefessor west on, "And now, gentlemen, we have to see what these ocitis weigh here upon Gallia." We sumeried the money has to the book; the

the mass or weight. This way a matter of little

needle confined and stormed. There is affile by The weight registered was one breedend and "There, contierned, one hundred and thirty-

gram! You see, orresequently, that the force of gravity here on Gallia is not one-seventh of what "Interesting!" cried Servadar, "most interesting !

But let up go and compute the mass." "No. cartain, the deputy first," said Bosette. "Certainly," said the Bestemant; "for as we al-

ready know the volume, we can determine the mass e'You The professor took up the cabe of rock. know what this is," he want on to say, "You know, postloner, that this block is a cube bewn from the substance of which over-where, all throughout your

voyage of circumnavigation, you found Gallia to be composed-a substance to which your euclosical attainments did not suffer to assist a narron." "Our curiosity will be gratified," said Servedac,

"If you will entighten our perorance." the interruption "A aphatoane it is which no doubt constitutes the

sale material of the cornet, extending from its surface to its imperment depths. The wookshilling is that ability; you have found no trace of any other subme may at the majority and ma shall have the loss salesh will unlock the problem of the whole werebi of Gallia. We have demonstrated that the force of attraction here is only one-arounth of what it is unon the earth, and shall oversemently have to

in order to ascertain its proper weight. Do you understand me, goggle-ever?" This was addressed to Ben Zoof, who was staying "I thought not; it is of no use waiting for your

purch-brains to make it out. I must talk to these The professor took the cube, and, on attaching it

weight was one kilogram and four hundred and "Here it is, gentlemen; one kilbgram, four hundred and thirty groms. Multiply that by seven; the

product is, as nearly as possible, ten kilograms. What, therefore, is our conclusion? Why, that the to a cubic decimeter. Had it not been for this have been one-differenth frateod of one-serveth of the

The professor could not refeate from arbibilities his gratification that, however inferior in volume.

Nothing further now remained than to such that

"Let we see," said the captain; "what is the force

pupil." The centain could not help himself; he was forced

"Well then," and the professor, "I post received you. Taking the stiruction of the earth as 1, that on Mercury is 1.15, on Veryas 2 is 182, on Mars. 5.

"Therefore, if a man upon the surface of the sun

"A folly buttle-field for cowards " springed Bon

"Not so tolly, Ben Zoof, on you faxey," said his

Ben Zoof vontured the remark that, as the smallross of Gellin secured to its itshabitants such an increase of strength and author, he was almost sarry that it was not a little smaller atill

"Through it sould not have been very much amaller anyhow." he added, looking slyly at the professor. "Life" erelained Rosetta "Year head is too Held already; a roll of wind would blow it away."

"I must take cars of my head, then, and hold it Umble to get the last word, the professor was about to retire, when Servadac detained him. "Parmit me to sak you one more question," he

said. "Can you tell me what is the nature of the "Yes, I can answer that. And in this matter I do not think your importinent orderly will wenture

a substance not unknown upon the earth," And tains 70 per cout, of tellurium, and 30 per cont. of gmld "

Servadae uttered an exclamation of surprise "And the average of the specific gravities of these two substances is 10, precisely the number that rep-

"A comet of gold?" eisculated the captain. "Yes: a realization of what the illustrious May-

partula has already deemed probable," replied the "If Gallia, then, should ever become attached to the earth, might it not bring about an important

revolution in all mornetary affairs?" insulted the "No doubt about it!" said Rosette, with manifest

entisfaction. "It would supply the world with about "It would make gold about as thesp as dirt, I

suppose," said Servadae The last observation, bowever, was entirely lost

"And what I wonder, is the use of all those big forures?" said Ben Zoof to his master, when next "That's just the charm of them, my good fellow,"

JUSTING SOMEWHAT CLOSE

EXCEPT as to the time the comet would false to revolve round the san, it must be confessed that all the professor's calculations had com-

studies in solitude. cording to Rosatts, the 63rd of Auril. In the course

attaining at the end a distance of 197.500 010 leagues from the sun. This would have \$1,000,000 anhelice of the 15th of January, after which it would begin ones more to approach the sun.

But meanwhile, a marvelous world, never before as close within the range of human wister, was revenling Steelf. No wonder that Palmyrein Beastle out those calm, clear Gallian naghts, when the book of the firmament lay open before him, he could ravel

The electors orb that was becoming so conspicuter, the largest of all the bodies existing within the befrence of seler effection. During the owner months that had elapsed since its collision with the earth, the comet had been certificately ammonth. ing the planet, until the distance between them was scarcely more than 61,000,010 learner, and this would go on diminishing until the 15th of October

Under these circumstances, was it perfectly certoin that no danger could norme? Was not Gallia when its pethway led it into such close proximity to this enormous planet, running a risk of boune structed within its influence? Might not that in-fluence be altogether disastrons? The professor, it revolution, had represented that he had made all proper allowances for any perturbations that would but what if there were any errors in his calculatuces? what if there should be any elements of dis-

turbance on which he had not recknood? Speculations of this kind became more and more frequent, and Lieutenant Procope pointed out that the danger incurred might be of a fourfuld character: first, that the comet, being irresistibly attracted, might be drawn on to the very surface of

the result of being brought under that attraction. it wight be transferred into a satellite, or even a sub-satellite, of that mighty world; thirdly, that it might be diversed into a new orbit, which would never be coincident with the collette; or lastly, its course might be so retarded that it would only reach the ecliptic too late to permit any junction with the earth. The occurrence of any one of these contincancies would be fatal to their hopes of resnice

strangely severed To Rosette, who, without family ties which he had never found leisure or inclination to contract, had no absolve of dealer to return to the earth, it would be only the first of these pechalities that could give him any concern. Total annihilation outle content for Galla to most its mark with regard to the carth, indifferent whether it resolved as new satellite eround Jupiter, or whether it would be it in course through the universe regions of its course through the universe regions of

to you means sympatismed with the proposers assettment, and the following mostly was a period of considerable dealt and anxiety.

On the lat of September the distance between Galba and Jupiter was precisely the same as the mean distance between the certificate the age of the 16th, the distance was further reduced to 25,00%.

Old segues. The planet begans to assume entermous

mean distance between the corth and the aux; on the 16th, the distance was further reduced to 25th of 00 leagues. The planet began to assume encroses dimensions, and it almost seemed as if the coroot had stready been defined from its eligibical critis, and was reabling on in a straight line towards the overwhelmus laminary.

overvectioning automotive planed the character of this agents, planed, the more they become impressed with the likelihood of a sectious perturbative; in their own owners. The disasters of Jupiter in 88, 810 miles, nearly eleven times as great as that of the earth; its velumes in 1,2870 times, and its mass 300 times greater; and although the sure measurement of the section of the

liquid), yet its other preparations were large enough to warrant the apprehension that important disturbaness might result from its proximity. "I forget my astronomy, ligaterant," said Servadue, "Fell me all wo can about this formidable

The heutenant having refreshed him murcoy by reference to Hammarice's Relatin de Plaffett, of which he had a Rossian translation, and some other hocks, proceeded to recognizate that Journal accomplishes the revolution record the sun in 4,425 days, 14 hours, and 2 minutes; that it travels at the rate of 607 rules a minute along an orbit meauring 2,000 millions of miles; and that its rotation

on its axis occupies only 0 hours and 35 minutes.

"His days, then, are shorter than the sarih's days" interrupted the captain.

"Considerable" anyward the lightcoart, who

Considerably. Service the Indicate the Considerable was the displacement of a point of a the quarter of the point of the considerable of the plane of the stift, because the many and sights to be nearly of the same length, and the consorts to be invariable; and how the amount of light and hear received by the planet is only a twenty-difficulty of that received by the search, the swarpe distance form the am being the search, the swarpe distance form the am bridge the search, the swarpe distance form the am bridge the search the swarpe distance form the am bridge the search the swarpe distance form the am bridge that the search the swarpe distance form the am bridge that the search the swarpe distance form the am bridge that the search the swarpe distance form the am bridge that the same than the same than

"And how shout these antellites? Sematimes, I suppose, Jupitor has the benefit of four moons all shining at once?" and should be said Sorradae.

Of the satellites, Liestenant Proops went on to say that one is rather amake than our own moon; that another moves round its pelmany of an interval about equal to the moon's distance from ourselves, but that they all revolve in confidently keep time; the first takes only I day, 18 boars, 27 mins

tota. The mast consider reviewe reund the planet at a distance of 1,162,050 miles.

"They have been readed into the zervice of stechno," and Process." It is by their movements that the velocity of light has been customized that the velocity of light has been customized the of the reviewed the control of t

utes; the second takes 3 days, 18 hours, 14 minutes; the third, 7 days, 8 hours, 42 minutes; whilst the

tion of terrestrial lengitudes."
"It must be a wonderful right," said the capture.
"Yes," answered Process. "I often think Jupiter
is like a productous clock with four house."

s like a predigious clock with four heads."
"I only hope that we are not destined to make a
lifth hand," answered Serundae.
Such was the site of the conversation that was

fifth band," mrawered Serradae.
Such was the argie of the conversation that was
day by day resiented during the whice anoth of
suspense. Whitever topic might be sharted, if
second non-to-settle dewn upon the huge orb that
was beening upon them with such threatening anperson of the second of the second of the second of the
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situated \$2,746,711,000 milor from the six, leaved trust the select selectively, the coursel of millions of entrous the select selectively, the coursel of million of course the selective from the center of the planetary system. It does not extract the selective from the center of the planetary system. It does not extract the selective from the center of the planetary system of distance of the selective from t

Servadae listened attentively. He was at a less what to any said the any resplit he made to the retail of this nevel theory was to the effect that, if it were true, he would prefer bring esquired by Merceary than by Jepites, for Mercury, being servath the yearsey, wearld prelatily prove the less imperative and active-filled master.

It was on the lat of September that the course had crossed the orbit of Jupiter, and on the lat of Orbiter the two heddes were administed to be at their markinum asparation. No direct shock, however, each to approximately the demonstration was sufficiently the superstraints of the demonstration was sufficiently that of the plants, the orbit of Jupiter control with that of the plants, the orbit of Jupiter being risultend as any angle of 1'-13' to the orbite of the earth, with which that of Gallia was, no doubt,

As the mosth of Beptember verged towards its does, Jupiter began to wear an aspect that must have active the most indifferent observer. Its asilient points were illumined with news and radical tists, and the bolter rays, reflected from its disc, plewed with a mingled sythese and intensity upon Gaila, so that

Who could wonder that Rosetts, enthusiast as he is was, should be irremovable from his observators? Who could expect otherwise than that, with the prospect before him of viewing the grant among placeds, ten times nearer than any mortal ove had Macowhole on Juniter over large, the sun grew

From its increased remoteness the diameter of the sun's disc was dustinished to h' 46" And what increased interest began to be associa-

Although it is asknowledged that they are yet ordinarily visible on earth without the sid of a

powers of variety, been been able to identify them distinguish them one from the other as to describe shade: the second was blest the third was white

Rosette, in his phoerbirar interest for the glowing giories of the plazet, seemed to be bequiled into comparative formstfulness of the charms of his fessor could quite allay the general apprehension that arms serious collision might be impending. Time round on There was nothing to instify an

probension. The question was continually being "Our friend the professor," said Servader, "is not likely to tell us very much; but we may feel loas in the dark, if he thought we were not guing

he could have would be to inform us that we had "I trout from my very soul," said the essent, "that "The more I see of him, and the more I listen to

him," replied Servedze, "the more I become con-

Ben Zoof here interrupted the conversation, "I have comething on my mind," he cald. "Something on your mind? Out with 21," said

"That telescope!" said the orderly; "It strikes me pointed up at yonder hig sun is bringing it down

"Laurh, captain, if you like; but I feel disposed

"Ren Zeof." said Survedte, his laughter exchanged for a look of stary displeasure, "tough that

"I am recentur burn" said Sarvador.

Ben Zoof knew what his master meant, and to The interval between the comet and Jupiter was, by the let of October, reduced to 43,000,000 miles.

ficies, between edge and edge, being interpely bright. The balts thermeless were construelly The physiology of beits and apots altho was bein an astronomical congress on the corth, he would

or no they owed their existence to the external acever rank as one of the most mornificent amount

The bolts all parallel to Jupiter's equator were very

dusting in their markings. These immediately

those foward the noise were alternately dark and

the heavenly color. As the cerest approached the reitical point of its carrier it carried by deviced that there was an unacknowledged consciousness of alarm. Mutually recaptain were secretly drawn together by the prosweet of a common damper; and as their voture to the earth appeared to them to become more and row indiction and trust to embrace the wider philosophy that arknowledges the credibility of a

But no philosophy could be proof against the their hopes, were set upon their natural home; no them to give up their fund and sanguine antisingtion that once again they were to come in contact

"Only let us eccape Japitor," said Lieutement Procope, repeatedly, "and we are free from "But would not Saturn lie about?" saked Serva-

"No!" said Procope; "the orbit of Saturn in rerecta, and does not some athwart our nath, Juniter is our sole hadrance. Of Jupiter we must say, as William Tell said. Once through the oreinous mass

and all is well." The 18th of October came, the date of the mearest approximation of the second to the planet. They wors only 31,000,000 miles spect. What would now transpire? Would Gallia be diverted from its

proper way? or would it hold the course that the astronomer had predicted ! Early next mernity the captain ventured to take The professor was in the worst of tempera

to sudjeate the course which events had taken. The comet was pursuing an unaltered way.

The externomer, overset in his propagationtions quest to have been the most proud and contented of

his comet was destined to be so translest, and that it must insvitably once again come into collision

with the earth.

CHAPTER IX charge. Mutual interest and recessity thus een-

MARKET PROCES IN GALLIA A LL right!" said Servader, convinced by the professor's ill humor that the danger was mart; "to doubt we are in for a two years"

"And we shall see Montmartre again!" excluteed

To use a professl expression, they had safely influence of Juniter's attenction, the count had been recarded for a alogic bour, in that hour the earth mould have abroady fravaled 2.500.600 miles from the must where contact would ensue, and many con-

On the lat of November Gellin and Juniter were weeks to the 15th of January, when the comet would hards to reaccurach the are. Though light and their terrestrial intensity, so that a nerretual twilight account to have cettled over Golffe, not the population felt cheared even by the little that was left, and brooms on by the home that they about to the great huminary, of which the termerature has been estimated as not less than 5,050,000

Of the awaisty andered during the lost two months lease Hakkabut had known pathing. Since the day he had done his burky stroke of business he had rever left the terior and offer Ben Zoof on the following day, had returned the steelyard reinute's consurration which Ren Zoof had held with usual, said no attention to the remark, and only which Hakkahut persisted in leading. Ben Zoof

The time came, however, when various eircumstences prompted him to think he must renew his intercourse with the inhabitants of the Hive. Some of his goods were beginning to epod, and he felt the necessity of turning them into maney, if he searchy of his commodities would secure very high

It happened, just about this same time, that Ben would soon be rusning sheet, and that their stock of coffee, surar, and tobacco would want remissishing. Servadac's mind, of course, turned to the cargo on board the House, and he resolved, according to his promise, to apply to the Jew and become a purover the received of first solling a vertice of his cargo for all the paper maney thay good give ham; want these. You, they should have these, too, for got back again to the earth; bills from his Excolleger the governor would be good believe anyhow there would be the shorter. By the God of

Although he did not know it, he was proposing to follow the prortice of the Gouls of chi, who ad-

SETT Halvalus hesitated to make the first advance, and it was accordingly with much satisfaction that he halled Cardein Servedge's ameanance "Hakinbut," said the captain, plunging without

some tobacco, and other things. I have some towick to order them, to settle the price, and to-morrow "Merciful heavens?" the Jew bean to whime but

"None of that miserable howling! Rosiness! I am come to buy your goods. I shall pay for them,"
"Ah yes, your Excellency," whispered the Jew. his value trembling like a street horour. "Don't impose on ma. I am poor; I am nearly ruined al-

"Cons your west-had whiteins?" oried Servedon "Ready money?" saled Hakkuhut. "Yea, ready money. Wast makes you ask?" said

the captain, gurious to bear what the Jew would "Well, you see-you see, your Excellency," atammered out the Jew. "to give gredit to one wealful -I meso bosorable, and his lordship the count is binorable; but maybe—maybe——"

"Weil?" said Servador, walting, but inclined to

kick the old rancel out of his sight. "I chouldn't like to give credit," he repeated, "I have not noked for credit. I have told you

"Very good, your Excellency. But how will you "Far you? Why, we shall pay you in pull and silver and corper, while our money lasts, and when

"Oh, no paper, no paper!" greated out the Jew.

"Why not? Surely you can trust the banks of England, France, and Bussis."

"Ah no! I must have cold. Nothing as safe so gold." "Well then," axid the captain, not wanting to love his temper, "you shall have it your own way; we have alsolv of gold for the present. We will leave should come again the next fay, was about to quit

"One moment, your Excellency," said Hakkabut, sidling up with a hyporritical smile; "I suppose I

"You will of owere, charge ordinary pricasproper market prices; European prices, I mean."
"Merciful heavens!" shrieled the old man, "you

rob me of my rights; you defread me of my rob me of my rights; you defraud me of my privilege. The menopoly of the market belongs to me. It is the custom; it is my right; it is my

Servedee made him understand that he had no intention of sweeving from his destaice.
"Mereiful beavener" arain howled the Jan. "it

is shear rule. The time of menopoly is the time for profit; it is the time for speculation." "The very thone, Heldesleet, that I am appleas to seem to ferret our rights; you are forgetting that

If I piesus, I can confiscate all your earge for the common use. You cught to think rourself lucky in potting any price at all. Re contented with Rorn. pean prices; you will get no more. I am not prime All the rest of the day the Jew was mustoring

all out of them; be would make European prices True to his word, the captain next morning arrived at the tartan. He was accommunied by Bur

Zoof and two Russian suiters. "Good-recenter, ald ly business with you, you know," was Ben Zoef's "What do you want to day?" asked the Jaw.

"To-day we want coffee, and we want sugar, and we want tobacco. We must have ten kilograms of each. Take care they are all good; all first rate. I am commissariat effect, and I am responsible."

carron," said Hakkahut, "So I am, on state occasions; but to-day, I tell you. I am superintendent of the commissariet de-

Heldsabut hereupon descended into the hold of ly fastoned by strips of paper, labeled with the

"Ten kilograms of tobacco at twelve france a

Ben Zoof was on the point of laying down the "Let us just see whether the wright is correct." Hakkabut pointed out that the weight was duly registered on overy pecket, and that the packets had never been unfastened. The captain, however, had The index regretance cells 130 orange "You see. Hekkelpit I was right. I was nerfeetly furtified in having your goods put to the

"But-but your Excellence-" stemmend out the bewildered man. "You will of course, make up the defeloner," the

captain continued, not noticing the interruption.

"Come, come, old Colaphas, do you hear? You are to make up the deficiency," exclaimed Ben Zoof. "Ah, yes, yes; but----" The unfortunate Isrnollie tried hard to speak, but

his arisation provented him. He understood well spough the cause of the phonomenen, but he was "Come, I say, old Jededuch, you are a long while

As soon as he recovered his more of articulation. lease began to pour out a modley of lamentations and petitions for mercy. The cardain was insperable, "Very scery, you know, Hakksbut, It is not roy fault that the pecket is short weight; but I

"A bargain is a bargain," said Servidee. must complete your contract." And, meaning and grouning, the miserable man

by his own scale. He had to repeat the process with the super and coffee; for every kilogram he had to weigh seven. Ben Zoof and the Russians jeered him most unmercifully. "I say, old Mordecol, wouldn't you rather gi your goods away, then sell those at this rate?

would." "I say, old Pilate, a menopoly isn't always a good thing, is it?

"I say, old Sepharvaim, what a fourishing trade you're driving ! Meanwhile neventy kilograms of each of the

articles required were weighed, and the Jew for each seventy had to take the price of tax. All along Captain Servedae had been acting only sotion with him into an occasion for a lot of fun-But the joke at an end he took care that the Jow was properly paid all his legitimate due.

CHAPTER X ESB INTO SPACE

MONTH passed away, "Gallia continued its so far removed from the ordinary influence After all, they were but making a varage-a

170 strange wit a transfert, augmented through sales volcano continued its veguiar and unthonoung discalculations were correct—and why should they be darkted 2-there little monel was destined after a On the 15th of December Gallie was 276 per 600

two years' absence, once more to return "to part." but with the good prospect before them of over agoin standing on terrestrial shares, they had nothcomfortable as they could in their prepent quarters.

contain, the count, nor the Houtemant felt under any of winter, in the cultivation or the preservation of their agreentural resources. Nevertheless than

they resuld have been driven to adopt, if they had From after the foreign-solut in their career, then aboves of Gourbi Island, where they would have to

four rooths or theresbouts, they would had the would their havmaking and their corn baryest have anain, like a swarm of bees, to retire to their semitrooledyte existence in the cells of Nina's Hive. expedition possibly result in the discovery of a vein turned to account in warming some srection which they might home to put up? A prolonged existence

monotonous and depressing, and although it might be all very well for a man like Professor Rosette, shorted in astronomical studies, it was ill suited longer period than was absolutely indispersable One contingency there was, almost too terrible to ha taken tota account. Was it not tashe expected that the time might come when the internal free of lava would consequently cease to first! Why should Gallia be exempt from the destiny that

should it not roll onwards, like the moon, a dark cold In the event of such a concetted of the volcanie equation, whilst the cornet was still at no great a to find a substitute for what abuse bud second to render life endurable at a temperature of 69° below zero. Happily, however, there was at present no symptom of the subsidence of the lava's stream; the

some 11,000,000 or 12,000,000 longues during the much Arother world was new hemoning a canspirmous object in the heavens, and Paimyrin Ronotte, after reinicing in an approach peacer to Innites than any other mortal man had save atbe less than 415,000,000 miles; but even this distonce, although ton great to affort the cornel's very reso more than had been duly recknoed on, was considerably shorter than what had over reparated To got any information about the planet from Re-

becomes from the wan, and, as it was approximately

by night and by day he never stersed to quit his soly from the few astronomical works that hap-Ren Zoof, when he was made aware that the earth mould be invisible to the nabul are from the surface of Satura, declared that he then, for his should werein to slobt, and it was his great con-

sette appeared quite impossible. Although squalls

verfahed from his man, At this date Sators was revolving at a distance of 420,000,000 miles from Gallia, and consequently 874.440.000 miles from the sun, receiving only a hundredth part of the light and hest which that luminary bestown upon the earth. On consulting Satura completes its revolution round the sun in a in their underground quarters was felt to be paried of 29 years and 107 days, traveling at the rate of more than 21,600 miles an hour sleng an orbit messaring 5,690 millions of miles in length, Its elecumference is about 220,000 miles; its superficies, 144,000 millions of square miles; its valums, 143,846 millions of cable miles. Satura is

The times larger than the earth, consequently it is smaller than Jupiter; in mass it is only to times less than that of water. It revolves on its axis in 10 hours 29 minutes, and 2ts own year consists of seemed to await every other heavenly body? Why inclination of its axis to the plane of its orbot, are Although the light received from the oun is connaretively feeble, the nights upon Saturn must be

Right satalistes __ Mirras. Receipter. Tethys, Direc, Rhon, Titan, Hyperico, and Japetus -excompany the planet; Mimas, the nearest to its primary, rotating on its axis in \$2% hours, and revolving at a distance of only 120,800 miles, whilst Janetus, the most remote, occupies 79 days in its rotation and revolves at a distance of 2.314.000 Another wort important contribution to the ring with which, as a brilliant setting, the planet is ring, which has been estimated by Sir William

Hereshel as starcely 100 miles in thickness, result which the innermost, dark though transparent, fr 2.625 rolles to breadth; the intermediate one, which broad; and the outer, of a dusky hue, being 8,040

Such they rend, is the general outline of this

evolved, and that this remarkable ring-aratem is a self developed, and which from some unknown

autailites, some with bright discs at their full, by the encircling rings, the aspect of the heavens from the surface of Satura must be as impressive

The Gallians indeed, were mable to realize all the marvels of this stronge world. After all, they were practically a thousand times further off than the great astronomers were able to approach by manns of their wlant telescones. But they did not complain; their little comet, they knew, was far sufer where it was; for better out of the reach of on attraction which, by affecting their nath, might

The distances of several of the brightest of the fixed stars have been estimated. Assumed others, millions of millions; the Pole star, 282 millions of miles, a figure represented by no less than fifteen

The hard numerical statement of these encourses

"Sippose," they say, "an charryer endougd with and infinite length of vision; suppose him stationed on the surface of Carmella; looking thoses towards had happened asventy years proviously; transport viewing the terrestrial sphere of 720 years back; carry him away farther still, to a star so remate that it requires accountling few than rejectors com-

tions aspecthing in this way-

ness of the birth and death of Christ, corresp bire (fer appea is infinite), and he shall be a spectator of the Creation of the spheres. History is thus

their purpose. They have made their researchs.

Who can altogether be asteriaked that Palmyria

search, should have been conscious of a longing for yet wider travel through the atderval proverce? stars, fixed and irremovable in name, are all of there in motion, and Gallia might have followed them in their untracked way. But Gallia had a narrow destiny. She was not

star clusters, some of which have been entirely, others partially resolved; nor was she to lose herhitherto the grass of the most powerful refectors. the solar system, nor to travel out of sight of the . terrestrial sphere. Her orbit was efreumscribed to little over 1.500 millions of miles; and in comparison with the infinite apace beyond, this was a mere

CHAPTER XI

A FETE DAY

THE temperature continued to decrease; the reseased thermometer, which freezes at 42" below zero, was no longer of service, and the spirit thermometer of the Deleves had been brought into use. This new registered 63" below

In the creek, where the two vestels had been the procoutionary measure of bevelling, was going on alowly but irresistibly, and the tarten was unwhile the schooner, as being lighter, bad been raised

So irrestatible was this gradual process of clevation, so utterly defying all human power to arrest,

to the safety of his yacht. With the exception of

the various and the mosts, everything had been miracle could prevent the bull from being duched to

over his all-precions cargo, though continually in-

There was, however, a stronger will than Issae Hakkalut's, Although to one of all the community cared at all for the safety of the Jaw, they cared poor much for the security of his careo, and when Beryadec found that nothing would induce the old room to abandon his present questions voluntarily. he

very seen adopted measures of coercion that were "Stop where you like, Hakkabut," and the captule to make sure that your cargo is taken care of.

the part of the Jaw, were of the alightest avail. Forthwith, on the 20th of December, the removal of

the goods commenced Both Speciards and Russians were all accepted Well muffed up as they were in furs, they were

article of metal, which, in the low state of the temperature, would inevitably have taken all the without accident of any kind; and when the stores

a great auxiety Gaptain Servadac save old Isaac full permission to take up his residence amongst the rest of the community, promised him the entire control over his own property, and altogether showed him so much

consideration that, but for his unbounded respect for his master. Ben Zoof would have liked to repri-Although Hakkahut slamored most vehomently

about his goods being carried off "against his will property transferred to a place of safety, and delighted, moreover, to know that the transport had been effected without a farthing of expense to himself. As soon, then, as he formd the tartan empty, mode him, and very soon made his way over to the questers in the callery where his recchardise had

ecology. Cornected the all intercourse between himself and the rest of the inhabitants was entirely confined to business transactions, when occasion re-

The lat of January was drawing near, the confe arance of shirty-my human beings from the society of their fellowmen. Hitherto not one of them were missing. The unvarying calmiest of the climate. notwithstanding the cold, had tended to magnifuln

them is good health, and there seemed no reason to Acute that when Gellia returned to the earth, the total of its little momalation would still be core-The 1st of January, it is true, was not properly

guitad that some purchase should be made from his gold of the colony was gradually finding its way to

"New Your's Day" in Gallia, but Captain Servades. povertheless, was very anxious to how it observed

"I do not think," he said to Goost Timasokoff and Lieutenant Process, "that we could to allow our meanly to long their interest in the world to which we are all hoping to return; and how our we cornect the hend that ought to unite us, better than he calcurating, in common with our fellow-creatures

sentiments of all? Besides," he added, amiliar, "I expect that Gallia, although invisible just of respect talencopes of our terrestrial friends, and I have no both havelenteres are full of accounts detailing the

movements of the new cornet." "True," asserted the count. "I can cults imagine that we are occasioning no small excitement in all

"Av. more than that," said the lieutenant; "our Gallia in certain to be far more than a more object of scientific interest or curiosity. Why should we doubt that the elements of a cornet which has once of the Hive, Lieutenant Procone avowed that he been securately calculated? What our friend the the earth, where, beyond a question, all magnet

> The lieutenant's conjectures were an reasonable that they commanded assent. Gallia could scarcely be otherwise than an object of terror to the inhabitants of the earth, who could be no meson be certain that a second rellision would be compara-

tively so harmiess as the first. Even to the Gulffare themselves, much as they looked forward to the event, the prospect was not unmixed with slarm. vice by which it was likely the impetus of the shock

Christmas arrived, and was marked by spropriate with the exception of the Jew, who made a point

of secleding himself more obstinately than ever in To Ben Zoof the last week of the year was full

of builds. The arrangements for the New Year fitte were entrusted to him, and he was arctious, in make the program for the great day as attractive

It was a matter of debate that night whether was econolic block that he much sure to come, but, on the whole, it was felt to be advisable to ask him

distike to visitors, he altered his mind, and sent yearny Pable on to the observatory with a formal company at the New Year's fitte. Public was seen back, bringing to answer except

that the professor had told him that "to-day wee lit of July." Consequently, Servadae and the count task it for

An hour ofter sureries on New Year's Day. Frenchmen, Russians, Speciards, and little Nine, as on years before had been soon in Callie. Ben Yoof and the Russian cook had guite surpassed thereselves. The wince, part of the Debryma's stores were of excellent quality. Those of the vintages of France and Snain were drunk in togating their respective countries, and even Russia was hancred in a similar way by magne of a few bottles of knemmel. The company was more than contental_it was as fortal as Ben Zeof could desire; and the ringing

"A happy return to our Mother Barth," must fairly have startled the professor in the silence of his ob-The discover over, there still remained three hears of daybold. The um was approaching the they were very uplike what had produced the wines

starting upon an excursion that would last over sightfall, to envelop themselves in the thickest of Full of spirits, the party left the Hive, and chattering and singing as they want, made their way down to the framer sharp, where they featered on their sinter. Once upon the ice, everyone followed his own fancy, and some singly, some in groups, Servadae, the count, and the lieutenant were genyou masters of their novel exercise, wondered factly and errocfully hither and thither, occasionsaffers, following a northern custom, skated in file. possed under their right arms, and in this way they described a treelessy of singular regularity. two children, blithe as birds, flitted about, now

selves, but always fall of life and spirit. As for mearturbable good temper ensuring him a smile of whole party had soon exceeded the line that made the cliffs were no larger to be seen; and at last, the obliged to aton to recover their breath, but, fearful of frast-bite they alread insteadly recovered their exercise, and proceeded nearly as for as Gourbi Island before they thought about retracing their But night was coming on, and the ann was al-

the residents on Gallia were by this time well acwas very remarkable. There was not a cloud nor a selerand by the effect of refraction, its circumfer-

ence sharrow defraed against the sky, sauk abrustly, Refers the daylight ended, Captain Servador had captioned the party to collect themselves betimes

after. We have come out like a party of skirmish-The right would be dark; their more was in con-

and give samething of that "note radiance" which Irregulately after surged the torches were the rapid motion of their bearers, had much the

later, the volcage ameaned like a dim shadow on larid glare upon the surrounding gloom. In time the ened shadows protenguely on the surface of the

Later still, half an hour or more afterwards, the torches were all but dying out. The shore was close at hand. All at once, Ben Zeof uttered a startled ery, and pointed with bowildered excitement towards the mountain. Involuntarily, one and all, then plowed their hools into the ice and come to a halt. enery lin. The valeure was extinguished? The stream of burning lava had suddenly council to flaw! Speechless with amazement, they stood still for some moments. There was not one of them that did not realise, more or less, how critical was their needtion. The sole serves of the heat that had smalled them to brave the rigor of the cold and failed there! death, in the ermeliest of all shapes, seemed staring

them in the face-death from cold! Mearwhile, the last torch bud flickered cut. "Forward!" cried Servadae, femla

At the word of command they advenced to the shere; clambered with no little difficulty up the slippery rocks; gained the mouth of the gallery; groped their way into the courses bull

How drears! how shill it occupal! Th flary entarnet no larger spread its glowing covering over the mouth of the grotto. Ligaterant Penearo loaned through the enerture. The need hitherto kept fluid by its prectimity to the lava, was

CHAPTER XII

Wilk whole injult was spent in operationing, with planty fortherologing, upon the chances of the high power fortherologing, upon the chances of the introduced to the contrary of the hall, now one trivity exposed to the operation of the hall, now one trivity as the contrary of the contr

enough to retreat.

Here they Funci the prefensor, who, shartled by
the solders sold, had been fain to make a precipitate
the solders sold, had been fain to make a precipitate
the operationly to decand of the enthanant whether
he would like be probug all residence indefinably
upon his little cented. It is every likely that he would
have declared hunself ready to got up with any
amount of dissorbert to be alle te gratify the love

Next morning, Servoide thus addressed his propose, "My friends, except from call, we have nothing to fair. Our provisions are market-never than except from except from the remaining period of our sujeran. The except is not a super-new from the control of the co

His true, quite as much as his words, restered container to meany of his people, who were already yealthing to a facility of deepaler. The count and the litrotronant forweastly, has allently, grouped his hand. "Num," said the captain, "you will not be afraid to go down to the lower deaths of the mountain.

to go down to the lower depths of the mountain, will you?"
"Not if Pablo goes," replied the child.
"Oh yes, of course, Pablo will go. You are not

"Anywhere with you, your Encoderary" was the log's prompt pays, that no time must be lest in prostrating they be haven of the volume; all not provided the property and containing of the provided they are the property and Ninco High volume. It was no admissible of those collection of the containing the pays to the containing the limited property and the property of the property containing the property of the property of the mortalization of the property of the property of the property of six property of the property of six property of six property of property of property of the property of property of the property of property of property of the property of property of the the property of the the property of the the property of the the property of the the property of the property of the property of the property task of exploring all the galleries, and was soon also to report that has had showed one which he had overy reason to believe abortion types the central forms. He reason for conting is this constraint was that the calento smitted by the riding supers of the hall was secreted to be covering, as tween, out of the calaritons, which had been demonstrated already to though this record for the continuous strength of the continuo

he boyed descent would be easy.
Under the fineteent's direction the Residen sulfors were immediately set to work. Their former expertence had convinced them that spacks and postance were of no avail, and their note recourse was to proceed by blasting with pus-proceder. However difficulty the operation suight be carried on, it space that the contract of the contract of the contract of the time the sufficient from cold trust he seew some se-

"It we thin in our copies, and drines get to use depths of the mountain, our little colony is showned," said Couri Trenschaff, "That speech is not like yourself," asswered Servedse, amilling. "What has become of the faith

The count shock his head, as if is daspair, and said, said), "The Hant that has hithere been outstretched to help occurs now to be withinwarn." "But only to test our powers of codurance," rejoined the captin, aernestly, "Octorage, my friend, counge! Something till me that this cosmitte of the appoint of some narrial, the interned force is of

all estimet. All is not ever yet. It is no coon to give up; never despir! ** Listificant Precope guits encourage with the septial. Many counse, he know, budder the interruption of the influence of the oxygen upon the mineral substances in Gallife interies, might ascount for the stuppers of the knowless in this copperitediar; part, and he considered it more than probable that a fresh outst had been opened in some other part of the nurface, and that the eruptive maters.

probable that a fresh outlet had been opened in some scher part of the surface, and that the craptive matter had been diverted into the new channel. But at present his business was to presente his labors as that a retreat might be immediately defected from their new untamble position. Resettes and authority for Restless and authated, Professor Resette, if he

Restricts and agitatical, Professor Reseate, if he took any interved in these discussives, certainly test down in the professor in the second of the discussives, and from the show-rathery into the courses half, and there are freezened intervals, by night and by day, he would exclavor to excitate his observables for the histories and investigated because in the histories and investigated because it is observed to death. No assent, however, did he find himself oldinged to refrest from his study of the histories.

than he swald begin everwhelfing everyhely alcoulan with hitter complishe, pergring out his repretability of the complisher of the repretting the complex of the complex of the linetenant could hear that frequencies and the linetenant could hear that frequencies of the blands rock, as the saliens shared then cavely with their gasdes, were reline; into the found of the entartion of the country of the country of the country of his person of the country of the country of the country have been also that the country of the country of the history, but country to this document of the country of history, but country to this document for the country of the had therefore reason to have that a descent would Larger and larger grew the origin; at length it

torch, mushed humself through it, followed by the Neutonant and Servadas. Proporte's contecture that the sides slanted at the angle of about four of the atmosphere of the earth, and beneath the cooling of ashes with which they were covered.

worn away by the action of the lava, and those af-"Rather a lost stair-case!" said Box Zoof, so they

In about half an hour, proceeding in a southerby could always see their extreme limits, and it was not present the same system of ramification that rendered the Hive above so commodisus a residence.

satisfied with such accommodation as they could gut, provided it was warm. Cartain Servides was oture were to a certain extent realized. The lower they went, the greater was the diminution in the colliery, that was the object of exploration, and become extinct. Although the lave, from some unplacely it existed nomewhere in an incandecemt

Lighterent Process had brought in his hand a mercurial thermometer, and Servadae carried an approid harometer, by means of which he could esti-

"Rix degrees?" said Servades; "that will not suit un. At this low temperature we could not survive the winter. We must try desper down. I only hope

of ventilation. The great current of air that rushed

The descent was continued for about another three hundred feet, which brought the explorers to quarters. Here the thermometer registered 12' C. above zero-a temperature which, if only it were permanent, was all they wanted. There was no ad-

that indicated that they were at no great distance "Quite near cough for me!" exclaimed Ben Zoof. "Those who are chilly are welcome to so as more After through stee. directions, the explerers seated theresolves on a jut-

ting well, and began to debate whether it was neveticable for the colory to reake an abode in those lower deaths of the recurtain. The reconced, it sower depend of the resolution. The prespect, it true, widened out into a cavern sufficiently large. were a few ledges in the reck that would serve as must be their distanceson, drawing-room, and dona warren, they were reduced to the existence of

males, with the difference that they could not like them, forget their troubles in a long winter's along The cayers, however, was quite canable of house stores were several burrels of oil and a considerable when required for cooking purposes. Moreover, it would be unaccessary for them to confine there. sales entirely to the machiner of their electors residence; well wranted up, there would be nothing to the Hive and to the sea-shere. A surnly of the coast, and it would be necessary to arrange that correspond in turn should perform this office on viwould be no sinerere to clamber up the sides of the

rester for 900 feet, and descend the same distance with a heaty burden. But the emergency was great, and it was neverth

thousands who annually winter in Arctic regions. ments of the Hudson's Bay Company, such appartes an remarate cables or elecutor-chambers are next thought of; one large agartment, wall heated and vestilated, with as few corners as possible, is considered far more healthy; and on board chip the entire bold, and in forts a single floor, is approprinted to this nursees. The recollection of this fact served to reconcile them, in a great degree, to the

Having remounted the ascent, they made the recommunity, who received the tidings with a sense of relief, and cordially accupted the asheme of the

The first sten was to dear the carreer of tie accumulation of seles, and then the labor of removal with greater rest. The four of helpy to a cortainty frozen to death if they remained where they were, variage in proceeding any further along the lavawas a stimulus that made everyone put forth all his coursies. Reds. furniture, ecololog utenalls-first the stores of the Dobryse, then the cargo of the tartan-all were carried down with the greatest alacrity, and the diminished weight combined with the downhill route to make the labor proceed with Although Professor Brastie yielded to the pras-

ground; and as it was undersuble that it would cor-

description is mentalia. Never, in the whole untkept up an uncoding wail; but manawhile he kent considerately allowed the whole carve to be de-

Jew was permitted to keep a watch as vigitant as he By the 10th the removal was accomplished, Resand at all overta, from the expansion to a narribus temperature of 60° below zero, the community was installed in its new home. The large cave was terns, aumended at intervals along the agglivity that led to their deserted quarters above, gure a maind minturescences to the some that might vis

with any of the graphic descriptions of the "Arsh-"How do you like this, Nina?" said Ben Zood

"Vo bene?" renlied the child. "We are coly living in the cellers instead of times the ground floor." "We will try and make ourselves comfortable,"

"Oh yes, we will be happy here," rejoined the child: "it is nice and warm," Although they were as especial as they could to situation without distrust. When alone, they would frequently ask each other what would become of

adding, or if some unexpected perturbation about an infedicately prolonged residence in their grim abode. It was scarcely libely that the cornet could aurair the fuel of which ere long they would be in urgant reed. Who could expect to find coal in the ancient forests minoralised by the lapse of agent Would not the lava-cipders exhamed from the ax-

"Keep up your spirits, my friends," said Serva-Let us home that as fresh difficulties arise, fresh "True," said the count; "It is an old saying that

'Necessity is the mother of invention,' Besides, I same hope. As the reason for his opinion he alleged probably of cuits recent origin, because the cometstrangement, and that organization or overer male "Most likely you are right," realise the county

"and so far from dreading a future of the internal posed to a mare terrible columity still?

"The columity of the gruption breaking out and

"Heavens?" cried the castain, "we will not think of that," "The outbreak may hopped again," said the Bentenant, calmiy; "but it will be our fault, our lack of

onversation dropped. The 19th of January dawned; and the count was

ENCEFORTH, then, with a velocity ever in-creasing, Gallin would re-approach the sun-Except the thirteen Englishmen who had

And with those Englishmen, how had it fored? "Far better than with correlate" was the south ment that would have been universally accepted in Nirg's Him. And there was every reason to coninclude that an it was The party of Columbia these all agreed, would not. like themselves, have been their armery of heat; they, no doubt, had had abunensempte, with its substantial walls, they would find ample shelter from the rigge of the cold. The time have in contentment; and Colone) Murrhy and Major Offsbart would have had leisure more than sufficient for solving the most abstrace wroblems of the chess-board. All of them, too, would be happy in the confidence that when the time should come.

so manfully to their post. It did, indeed, more than once occur to the minds both of Servadue and Mr. friends that, if their connight, as a last reacures, betake themselves to O'lbraltar, and there seek a refure: but their ferrors recognition had not been of the kindest, and they were little disposed to renew an acquaintanceable that pected to most with any inharpitable relegit. Fur whatever their faults, would be the last to abandon their fellow-greatures in the hour of distress.

urgent than it had hitherto proved, they resolved to endeaver to remain in their present quarters. Uniginal number, but to undertake so long a journey across that unabeltered expanse of ice could scarceHowever great was the desire to find a retreat for every living thing in the deep below of the craster, it was found secessary to singular almost all the domestic animals before the removal of the community from Nina's Hive. To here stabled them all in the saviers below would have been quite im-

in the cavern below would have been quite imposetible, whits to have left them in the upper gallernes would only have been to abandon them to a cruel death; and since must could be preserved for an indefinite time in the original stree-planes, new coller than ever, the expedient of killing the emimals recensed to recommed itself as countly product and

Naturally the captain and Ben Zoof were most assists that their favorite herses should be aswed, and accordingly by dint of the greatest ears, all diffiguities in the way were overcome, and Zephyr and

families in the way were overcome, and Zephyr Galette were conducted down the crater, where t were installed in a large hole and provided a forego, which was still abundant.

Birds, subsisting only on scraps thrown out to them did not couse to follow the population in its migration, and no numerous did they become that multitudes of them had repeatedly to be destroyed. The general re-arrangement of the new residence was no easy business, and occupied so much time that

monotony. These section to map over extryons is kind of meant deep rare well as physical hashinch, which Servains, the senut, and the Berthount did Chair best not only to comfain in hamsaless, but to construct in the general community. They pretend the section of the their delates in which everybody are consumaged to take part; they read solved, and explained extracts from the sinematry monated for clause, or from the books of adventurous treat which their library supplied; and known and September, day when they provided the section of the section, day when they

had defi ber.

Selabh and morous, Hakkaber could never be indicad to be present at these social gatherings. He
was far toe much occupied in his own spruppriated
center, either in couning his accounts, or in counting his moure, Adapether, with wate he had before,
he new possessed the round sum of 150,000 france,
be new possessed the round sum of 150,000 france,
but of which was in stelling geld, but alching could
give kim any coltafordies while be knew that the
days were possible, and that he was defined the podays were possible, and that he was defined the po-

abil of which was in steeling spid; just suching coulds give him any actionfaction with the larve that the principle of parting out his capital in advantageous housetenstee, resourcing a proper interest to take Notices did Palmyrin Bostet and Islame to take Notices did Palmyrin Bostet and Islame to take Notices did Palmyrin Bostet and Islame to take was far too absorting for fain to outler it to be intersured and to him, living so he did perpetually in a work of the principle for fain to outler action from evident fluorest the waste days consistent and the particular about this count, he was now decelling install with earlier to the majority of all the properties of his actuality herria, to which has purposed and the state of the state of the country of the in control to the principles of the same of the in control to the principles of the same of the interest and the same of the same of the properties of the actual to the same of the same of the same of the interest and the same of the same of the same of the interest and the same of the same of the same of the interest and the same of the same of the same of the interest and the same of the same

at various points of the orbit; and for this purpose

where, in suite of the extreme severity of the cold, he

would persevere in the use of his telescope till he was all but pourdyand. But when he felt more these sayshing was the west of some retired sportment, where he could pursue this studies without handmaps, when he was about the budmings of Pohraury, when the professor hexagish has complaint to Couplin Servadra, and heighed him is assign him a chamber, so matter how outling in which he should be free in curry matter how outling in which he should be free in curry

processed surveyers are consistent to respect to respect to the control of the co

his mind.

It do not mean," he began timidly, "to cost the
least imputation of inaccuracy upon any of your calculations, but would you allow me, my dear profeasor, to suggest that, you should review your outmate of the duration of Gallin's period of recolution.

It is so important, you know, as all important; the

difference of one half minute, you know, would secretainly mor the expectation of reunion with the earth——" the expectation of neutron with the carth—for a food guidering on Recette's face, asfect:

"I am sure Lieutenant Procope would be only too harmy to render you any accordance in the registron."

"Sit," said the prefessor, braiding up, "I want no selectarly my calculations want no revision. I never make an error. I have made my reclaming as far as Gollin in concerned. I am now making a little collinate of the elements of Nerman.

Conscious how impellite it would be to prace this mother further, the cardial nearably remarked that

is he should have supposed that all the elements of Norian had been calreshed long since by astronomtor, or on the sorth. It was about as unfactly a speech g as he could possibly have made. The prof. See glared at him forcely.
"Autuming, sir?" he exclaimed. "Yes! Norian

was a pinet then; were the consistent. Yes! Nerma was a pinet then; were then the appertuned to inthe planet was determined; but Norina is a moon the new, And do you not think, sir, that we here a ted right to know as much about our moce as these terminish—and he carded his lip as he spoke with tre, a contemptanes emphasis—"know of theirs".

"I beg pardon," said the corrected captain.
"Well thus, never mind," replied the professor,
quickly appeared; "only will you have the goodness

quickly appeased; "only will you have the goodness to get me a proper place for study?" "I will, as I premised, do all I can," answered

"Wery good," said the professor. "No immediate hurry; an hour hereo will do," But in spite of this condescension on the part of the man of science, some hours had to elapse before any place of retreat could be discovered likely to sait his requirements; but at length a little nock was

his riquirements; but at length a little neck was found in the side of the covern just large cough to held an arrechair and a table, and in this the actronomer was seen enseemed to his entire astisfaction.

Burled thus, nearly 900 feet below ground, the

Callians capit to have had unbounded meetal carrier to furnish an adequate reaction to the degreeoing monetomy of their existence; but many days would often slapes without any one of them seconding to probable that no one would ever have made an of-A few excursions were made in the downward direction. The three leaders, with Ben Zoof, made to the nature of the rock-for although it might be true enough that it contained thirty per cent. of

gold, it was an valueless to them as grantte-but terranean fire still retained its activity. Satisfied upon this point, they came to the conclusion that spet had certainly broken out in another February, March, April, May, passed wearily by rest that it was little wonder that no notice was taken of the large of time. The needle seemed rather to vegetate than to live, and their want of vigor be-

carried times almost alarming. The readings around bates, sustained by few, became utterly wanting in animation. The Speniards could hardly be roused to more enduring temperament, did not give way to the and the licutement all knew well enough that it was the want of air and exercise that was the cause of emionally fell a prey to the same lessitude both of bady and mind. Loan fits of drowsiness, combined with an otter aversion to food, would come over become degenerate, and that, like tertoises, they could sleep and fast till the return of summer more bravely than any of there. Flitting about, cooxing one to out, another to drink, rousing Public as

ware of her influence, they would have missed her bright presume arrely. The months glided on; how. This partial revival was probably due to the somewhat increased influence of the sun, still far, for tenant Procope had taken careful note of Resetto's

monthly appoundements of the comet's progress, and wards the sun. He found that Gallin bad recrossed entered the sone of the telescopic planets. Gradually, but uninterruptedly, life and spirits

Zoof, in particular, roused himself with radoubled vicor, like a stant refreshed freen his siumbers. The One day an excursion was made to the above. It

was still bitterly cold, but the atmosphere had look nothing of its former stillness, and not a cloud was visible from beginn to worth. The old footmarks where any change was apparent was in the little greek. Here the elevation of the ice had gone on inunlifted to a height of 150 feet, not only rendering certain destruction in the event of a thaw Isaac Hakkabut, immovable from the personal oversight of his accounty in the careers, had not no-

comparted the party, and consequently was in bliss-"A good thing the old fellow wasn't there to see," ing to himself, "to have a peacock's voice, without its Doring the wooths of July and Appast, Gallie advenced 164,000,000 leagues sloug her orbit. At night here full upon the equator, caused an appreciable difference of 20" in the temperature. Like birds, the

This spring-time, if such it may be called, had a west collywaing influence upon all. Hope and courthe sky, and every evening the earth assumed a ervater magnitude among the fixed sters. It was distant yet, but the good was cheeringly in view. "I can't believe that yonder little speek of light contains my mountain of Montmartre," said Ben Zorf, one night, after he had been gazing long and "You will, I hope, some day find out that it does." anymered his master.

"I hope so," said the orderly, without moving his eye from the distant subors. After moditating a while, he speke again. "I suppose Professor Rosette couldn't make his comet go straight back, could he?" Ben Zeef understood the correction.

"No," continued the captain; "it is not for man to

CHAPTER XIV THE PROPESSOR PERFUSCIO

NOTHER menth peoped away, and it was now September, but it was still impossible to leave September, but it was still impossible to leave the warmth of the subterranean retreat for the more siry and commodious quarters of the Hive, where "the been" would certainly have been freezn to death in their calls. It was altogether quite as much a matter of congratulation as of regret that the volcano showed no symptoms of recurring its any sudden outbreak would have been disastrous to

"A wretched time we have had for the last seven

"but what a comfort little Num has been to us all!" "Yes, indeed," reelied Servadae; "she is a sharming little creature. I hardly know how we should have got on without her."

"Wast is to become of her when we arrive back at the earth ?" "Not much fear, Ben Zoof, but that she will be

"Av. voa" assented the orderly. "You can be bor father, and I can be ber mother."

Serveded langhed, "Then you and I shall be man "We have been as good as that for a long time," observed Ben Zoof, gravely, By the beginning of October, the temperature had

intelerable. The comet's distance was scarcely three our, so that the thermometer rarely suck beyond most daily visits to the Hive, and frequently proceeded to the shore, where they resumed their sketing exercise, rejoicing in their recovered freedom

as to the results of the anticipated collision with the earth, and wondering whether may measures

could be devised for mitigating the violence of a

There was no visitor to the Hive more regular to be moved back to his former observatory, where, The result of these studies no one ventured to in-

quire; but it became generally noticed that someheard muttering in an angry tone that indicated

One day, as he was hurrying down to his study, ture, made some casual remark about things not

being mary straight. The way in which his afrance was reneived the sood orderly never divulged, but hereeferward he mountained the firm conviction that there was semething very much amiss up in the To Servedue and his friends this continual dis-

emistude and ill-humor on the next of the professor occasioned no little argiety. From what, they saked could his dispatisfaction arise? They could only

reclomings; and if this were so, might there not be reason to suprehend that their anticipations of coming into contact with the earth, at the autiled time, might all be faboried? Day followed day, and still there was no cessation miserable of mortals. If really his calculations and perpetual perturbation. But he entered into no ex-

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ing haggers and distressed, and when compelled by the freet to retire, he would make his way buck to heard giving vent to his vessation. "Confound it? tion the law of universal ponsense?" And the little away at the scanty locks which he could ill afford

between the results of his computation and what he upon to say, he would have sconer insisted that there error in any of his own calculations. Assuredly, if

But this state of things was before long to come about outside the great hall of the cavors, heard the professor inside atter a loud ove. Hurrying in perfect frenzy, in which cestacy and race scamed

"What, in the name of peace, do you mean?" bawled Ben Zoof, in open-mouthed amazement. "How? What? Where?" round the bewildered

"Eureka! I say," repeated Resette; "and if you Without availing himself of this polite invitation,

rushing about like a madman, screeching and yell-"Egreka" exclaimed Servadac, "That means be has made a discovery;" and, full of anxiety, he har-

But, however creat was his desire to ascertain

yet destined to be gratified. The professor kept mrttering in incoherent phrance; "Rescall be shall pay for it yet. I will be even with him! Chest! Thrown we out!" But he did not vouchsafe any reply to From that day Rosette, for some reason at pres-

out incomprehensible, quite altered his behavior to terror. All at once he began to show a remarkable interest in the Jew and his affairs, paying several yiests to the dark little storebouse, making inquiries AMAZING STORIES

as to the state of business and expressing some oblivities show the state of the exchange. The with Jaw was taken accordant by surprise. The with Jaw was taken accordance that the professor was contemplating horrowner arms many, he was conceptually very continuous and fills replice. It was not Haldenburk habit ever to advance a long except at an extrawagant rate of Marcesi, or

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has was consequently very contents in an interpretable to the contents of the

The state of the s

without which he descond it impossible to exist, he found himself in considerable perpletify.

He pendered the matter over for a long time, and ultimately permanded himself that, after al, the atoms were the common property of all, and that he had an anoth right to above as a wayne that. According to the control of the

The orderly shook his head dublerary,
"A pound of coffee, old Nathan? I can't say."
"Why not? You have some?" said Issue.
"Oh yes? pheny—a hundred kiloprama."
"Then let me have one pound. I shall be grate-

ful."
"Hang your gratitude!"
"Only one pound! You would not refuse anylody

clus."
"That's just the very point, old Samuel; if you were anybody clas, I should know very well what to do. I must refer the matter to his Excellency."
"Oh, his Excellency will do me justice."

"Perhaps you will find his justice rather too much for you." And with this consoling remark, the orderly want to seek his moster. Roseths measwhile had been listening to the conversation, and secretly rejoicing that an opportunity for which he had been watching had arrived.

verentics, and secretly repoteing that an opportunity for which be had been watching had arrived. "What's the matter, Master Issue? Have you partied with all your coffee?" he acked, in a sympathining voles, when Ben Zoof was gens. "Ah! you, indeed," greened Habkahut, "and now

held I cannot live without my coffee."
"Of course you cannot," agreed the professor.
"And foott you think the governor ought to let me have #12"

"No doubt."
"Oh, I must have coffee," said the Jew again.
"Certainly," the professor assented. "Coffee is

nutritions; R warms the blood. How much do yeu went?

yound. A yound will list me for a long time."

"And who will wright it for you?" adolf Rosette, exceedy alie to conceal the eagerness that prompted the question.

"Why, they will weigh it with my scale, of course. There is no other balance here." And as the Jew.

apoles, the professor financed he could detect the faintest of sight.

"Good, Master lesse; all the hetter for you! You will get your seven pounds instead of one!"

will get your seven pounds instead of one?"
"Yes; well, seven, or thereabouts—thereabouts,"
etammered the Jew with considerable institution.
Rosette examed his counterance narrowly, and
was about to probe him with further questions.

when Ben Zoof returned. "And what does his Excellency say?" Inquired Hakkahut. "Why, Nebemish, he says he shan't give you any."

"Why, Nebemish, he says he shan't give you any."
"Hereiful heavens?" began the Jew.
"He says he decen't mind selling you a little."
"But, by the hely city, why does he reaks me pay for wint anylody elle could have for nothing?"

"As I teld you before, you are not anybedy aim; oo, come along. You can afford to buy what you want. We should like to eet the color of your money."
"Merciful beavens?" the old man whined once

MOVE.

"Now, none of that! Yes or no? If you are going to key, say so at once, if not, I chall shat up shop."

Hikking throw well enough that the orderly was not a mean to be trified with, and said, in a treousless wise. "Yes, I will buy."

The professor, who had been looking on with much interest, betrayed monifest symptoms of astichation.

"How much do you want? What will you charge for it?" asked Isaac mourafully, putting his hand

"Oh, we will deal cently with you. We will not make any profit. You shall have it for the same price that we paid for it. Ten france a pound, you know."

The Jew bendinted.
"Come now, what is the use of your hesitating?

"Come now, what is the use of your desirange?" Your gold will have no value when you go back to the world."

"What do you mean?" soland Hakkabut, startled.

"What do you mean?" soled Heldesbut, startled.
"You will find out some day," amwered Ben Zoof,
significantly.
Heldesbut; drew out a small piece of gold from

his pooket, book it close under the lensp, rolled it own in his hard, and preased it to his lips. "Shall you weigh me the coffee with my scale?" he asked, in a quarrefug voice that confirmed the professor's suspictors.
"There is notified also to weigh it with you know

suspictors.
"There is nothing else to weigh it with, you know
that well enough, old Shachen," said Box Zoof. The
egring belones was then preduced, a tray was
penied to the book, and upon this coffee was thrown
penied to the book, and upon this coffee was thrown

"There you are! There's your collee, man!" Ben Zoof said.
"Are you sare?" inquired Haldahut, peering down close to the disl. "are you quite sore that the needle touches the point?"
"Yes; leek and see."
"Give if a little push, please."

"Why?"

"Beauss—because—"

"Well, because of what?" cried the orderly, impatiently.

"Beauss I think, perhaps—I am not quite sure—northers the scale is not quite correct."

The words were not uttered before the professor, farce as a typer, but rushed at the low, 2nd school him by the threat, and was shaking him till be wan black in the face. "Halp! bis!" coreamed Hakkabut. "I shall be

"High help" soreamed Hakkabut. "I shall be strangied."
"Excell consummate riseal! thief! villain?" the nonfeaser reliarated, and continued to shake the Jew

professor reliarated, and continued to shake the Jew furiously.

Ben Zoof looked on and laughed, making no atternet in interfere; he had no symmethy with either

of the two.

The second of the scuffling, however, drew the attention of Servaine, who, followed by his compenions, hasterned to the scene. The combatants were scon puried. "What is the meaning of all

were soon parted. "What is the meaning of 40 this?" demanded the captain.

As soon as the professor bad recovered his breath, exhausted by his certifions, he said, "The old reprolate, the rascal has chested us! His scale is wrong!

Toghan Servadae looked storuly at Hakkabut.

"How in this, Hakkabut?" Is this a fact?"

"No, no-post-up, your Examiners, only—

"He is a chest, a third?" record the excited sutreourner. "His weighth decrete?"

"Step, stop!" interposed Servadac; "let us hear.
Tell ma, Harkshit...."
"The scale limit. It cheated it lies" reared the

"Tell me, Hakkabut, I say," repeated Servadae.
The Jew only kept on stammering, "Yeo—no—l

But hesdies of any interruption, the professor continued, "False weights! That confounded spring balance! It gave a fahe result! The mass war wrong! The chorevations contradicted the calculations; they were wrong! She was out of place! Yes,

tions; they were wrong; and was one or purce 1205, out of pince entirely."
"What!" orded Sarvada; and Procope in a breath, "ext of pince?"
"Yes, completely," said the professor.
"Gallin out of pince?" repeated Servadas, agitated

with alarm of Gallia," replied Reactic, shamping in feet mpersonally, "I said Norlea."
"Oh, Norlea," answered Servadac, "But what of Callia 3" to insulved a still revenued.

his foot impersonacy; "a said recrime." "On, Nertus," nameral Servadie, "But what of Gallia?" he inquired, still recrossity. "Gallia, of course, is on her way to the earth. I teld you so. But that Jew is a rascal!"

CHAPTER XV TOURNEY AND A BRAPPOINTMENT

Thus as the profusor had said. From the day that I must Helkahott had entered upon his muscartific curver, his dealings had all been earried on by a system of false weight. That described

chaser losses of the vendor, his spirit had ground within him at heling catepolial to rosp the fruits of his own distonetty. No one who had stadied his character outils be much surpressed at the centralistic part of the stade of the stade of the stade of the ground information that he had ever sold the tree weight was only 10% greams, or just five and twenty per cent. Isos than it ought to have been. The professor, however, had secretificated at that the professor, however, had secretificate at the third as much again so the proper weight, he had found that his collections was as two year.

spring balance had been the mainspring of his for-

was immediately influenced by the mass of the primary.

But, whether enjoying the satisfaction of But, persistent of the state of the recommence his calculations with reference to the elements of Negtra, upon a correct busis, a task which he devoted himself with redubbled crossys. It will be easily imagined that feath and the state Hakketut, thus cought in the own true, was jewed meet use

It will be easily imagined that Isaac Makkelut, than cought in the own true, was jureed most temeretifully by these whom he had attempted to make him dayas. Ben Ecof, in particular, was recevwarried of telling him how on the return to the weight is world be presented for maing false weights, and would actually become acquainted weights, and would actually become acquainted accurate the second of the contraction of the received himself more than even but disturb also, never varturing, except when absolutely cellingd, be from the other members of the community.

fines the other members of it the community.

On the '11 to Childre' the cross or which had been expressed as a matchine, and the origin of the been expressed as a matchine, and the origin of the whole of which had not expressed as a matchine, and the origin of the whole of which is not an possible overwise the country revolved between the critics of Mars and Largetter. By the beginning of the following month half of this case had been resourced, and only two was to be exprected. The temperature was more tractive below 12's below 22's below 22'

single of the six benefits as remained and the sales, as making analyzed in their critical position.

It was about this time that the quastic legan to be mosted whether it would ask be right to respect to his most of the six between the sales and the right is respectively. Not that any dealt was criterizing as to their having been also succeedingly to one with the rights of the winter, but Captain Servoids, in a day, the sales are successful to the sales and the sales and the sales are t

fermer behavior, it was at least due to them that they chenkl be informed of the trae condition of things, which they and no opportunity of bearing; and, moreover, that they should be invited to cooperate with the population of Nira's Nira, in the event of any measures being suggested by which the shook of the approaching collision could be

the shoot of the approaching collision could be mitigated. The count and the lieutenant both heartily concurred in Servadar's sentiments of humanity and

prudence, and all agreed that if the intercourse were to be opened at all, no time could be so suitable as the propent, while the surface of the sea presented a smooth and solid footing. After a thus should set in, norther the yazhk nor the tartan could be redorated on for service, and it would be inexpedient to make use of the steam tarack, for which only a few tens of coal had here reserved, just sufficient to should arise. As to the yazel, which, transformed into a siders, and performed so zonomized a strip.

tion of coal had here reserved, just sufficient to convey them to Gentral Island when the occosion abould arise. As to the yard, which, transformed into a sledge, had performed a concomial a trip to Formachter, the absence of wind would realer that quite unavaisable. It was true that with the return of summer impressions, there would be contain to be a decarporation, then strongers out occurs the oil was absorber too still for the yard to have any mornests of making its way to Gitterbatz.

prospects of making its way to Giberhar.
The only specifor remaining was the possibility of going on feet. The oftenness was summerhere about 250 miles. Captinis Bervales declared himself opinit equal to the undertaking. To thatto satiy or sweatly make a day weedle be nothing, he suid, to a penalted skater like himself. The whale journey three and hack might be postforfest sensity of cold meet, and

back might be performed in eight days. Provings, with a compass, a cifficient supply of cold ment, and a spirat lung, by which he might bell his coffee, he was perfectly sure he should, without the less difficulty, accomplain an enterprise that obtained in so enactly with his adventurous spirit. Equally urgest were both the count and the lieutenant to be allowed to accompany this; nay, they

tenist to be allowed to accompany him; may, they even offered to go initiately but Servadae, expressing himself as must grateful for their consideration, declined their effer, and severe him resolution of taking no other companion than his own orderly. Highly delighted at his master's decision, Ben Scot expressed his satisfaction at the prospect of

could indices him to permit the captain to go about there was no delay. The departure was four the following moraling, the End of November.

Although it is not to be questioned that a qualified desire of the state of the second of the second desire of the state of the second of the second desire of the state of the second of the second of the state of the second of the second of the posed with the definition of the second of the sec

master was "up to some other little game," when,
just before starting, he asked him privately whether
there was a French tricoler among the stores. "I hellove so," said the orderly.
"Then don't say a word to anyone, but fasten it
up tight in your knappont."

Box 2001 found the flag, and folded it up as he was directed. Before proceeding to explain this somewhat onliganatical conduct of Servodas, it is measured to the source of the control of Servodas, it is measured to the control of Servodas, it is measured to the source of the control of Servodas, it is measured to the source of the sourc

as to what would happen if, on their roturn to earth, the handsome Madame do L --- should still be free.

From companions in peril, would they not again be

award rivin! Concall it as they would, a cooless mus understilly stelling over no intimacy which, though it could never be called affectioners, had been supported to the state of the count a project which, wild as it was, could accretly have failed to rider the mutaken-blaged The people's was the accretion of Court to the

The peoplet was the amenation of Courts to the French describion. The Englishmen, rightly counts, had continued to accupy the fragment of Gliesikars, and their time was indispation of Commanded the opposite side of the strent, and had been accupied by Spaniczk, had sizes been inhazience, and was thorefore free to the first occupant who should by a single country of the country of the country of many of Franco, was now the christical which of

Serraday's beart. "Who know," be said to hisself, "whether Cruis, on its return to earth, may not eccupy a great and commenting attention? What a proud thing it would be to have occurred the possesson to France". Beat meeting, so soon as they had have been been considered to be a soon as they had have been considered to be a soon as they had have been considered to be a soon as they had have been considered to be a soon as they had have been considered to be a soon as they had had had been considered to the soon for the considered to the soon for the considered had been considered to the soon as the considered and as the proposed of solding to the domination of the demination of the domination of the domi

England Both travelers were warmly clad, the orderlyinguate containing all the monestery provisions, and the containing all the monestery provisions. Contain, below were made at require footerway, for the purpose of taking food and rest. The temperature by night as well as by day was quite orderwayts, and on the fourth afternoon after starting, taken to the straight course which that compare contains within a few miles of Contain found the manufacture within a few miles of Contain found the manufacture. As seen as Ben Zoof cought sight of the rect

on the vectors herison, he was all excitonous. Just as aff he were in a registeral (eggl into autros, be a talked wildly about "columno" and "requires" and "requires" and "requires" and "requires" and the probability has demandated the constraint they was hartly less captule, although these demands that pands directoral with all peaceths speed till they were within a mile and a half of the sheer, when he made to be a few power and the pand demand and that he was turn be cold too somewhat the pands of the pands and the pands and the pands and the pands are the pands are the pands and the pands are the pands are

few manutes carried them over another mile, when Ben Zoof stopped again.
"What is it, Ben Zoof!" asked the captrin.
"It looks to me like a man on a rock, waving his

an "It looks to me like a man on a reak, waving his th, arms in the air," said the orderly. "Plague on it!" muttered Servañe; "I hope we gh are not too late." Again they went on; but soon

"It is a sensephore, siv; I see it quite distinctly," And be was not mistaken; it had been a telegraph is motion that had eneight his eye.
"Playee on it!" reposted the captain.

"Teo late, sir, do you think?" asid Ben Zoof.
"Yee, Ben Zoof; if that's a telegraph—and there is no doubt of it—samebody has been before us and

OFF ON A COMET erected it; and, moreover, if it is moving, there and Baltimore, the two callent officers made use of

a cougtoons boss.

of speaking?"

He was keenly disappointed. Looking towards visible in the extreme distance, and upon the sum-

no doubt, in response to the one here. pled it, and established their communications," said

"And what are we to do, then?" asked Ben Zoof. "We must necket our chagrin, and put as good a

men to protect the place," said Ben Zouf, as if meditating an assault

"No, no, Ben Zoof," answered Servadac; "We must do nothing rash. We have had our warning, and urless our representations can induce them to vield their position, we must resign our home."

Thus discomited, they had reached the foot of the rock, when all at once, like a "Jack-in-the-box," a sentinel started up before them with the chal-

"Who goes there?" "Friends. Vive in France!" cried the captain. "Hurrah for England!" replied the soldier. By this time four other men had made their ap-

pearance from the upper part of the rock.
"What do you want?" asked one of them, whom Servadan remembered to have seen before at Gi-

"Can I speak to your commanding officer?" Ser-"Which?" said the man. "The officer in command

of Couts?" "Yes, if there is one." "I will acquaint him with your arrival," answered

In a few minutes the commanding officer, attired in full uniform, was seen descending to the shore.

Servades could no longer entertain a doubt that the Englishmen had forestalled him in the occupation of Couts. Provisions and fuel had evidently

before the sea had frozen, and a solid coscurate, bollowed in the rock, but afforded Major Oliphant of the winter. The ascending anoles that rose above the rock was sufficient evidence that good fires were well on what, no doubt, had been a generous diet.

and the major himself, although he would scarcely have been willing to allow it, was slightly atouter Being only about twelve miles distant from Gibraltar, the little garrison at Centa had felt itself hy no means isolated in its position; but by fre-

communication with their fellow-countrymen on the other island. Colonel Murphy and the major had not even been forced to forego the pleasures of the cluded; but, like the two American clubs that played their celebrated came in 1845 between Washington

To Captain Servadae, the governor general of "Indeed!" said the major, with a supercilious "Allow me to express my surprise," resumed the captain, "at socing you installed as commanding officur upon what I have always understood to be Spanish soil. May I demand your claim to your

The major stood waiting for his visitor to speak. "Major Oliphant, I believe?" said Scevedac, with

"Yes, sir. Major Olinbant, officer in command of the garrison at Centa," was the Englishman's reply.

"And to whom," he added, "may I have the honor

"My claim is that of first occupant." "Ret do you not think that the nexts of Spaniards

now resident with me may at some future time assect a prior right to the proprietoribin?"

"But why not?" persisted the captain "Recause these very Spaniards have by formal contract, made over Ceuts, in its integrity, to the

Servator attered an exchanation of surprise. "And as the price of that important cossion

continued Major Oliphant, "they have received a fair equivalent in British gold."
"Ahl" cried Ben Zeed, "that accounts for that

fellow Negrets and his people having such a lot of money." Servadee was silent. It had become clear to his

to Centa which he had heard of an being made by the two English officers. The arguments that be all that he had now to do was carefully to arrevent

"May I he allowed to ask, Captain Servañoc, what I am indebted for the honor of this visit?" "I have come, Major Oliphant, in the hope of deing you and your compenious a service," replied

felt himself cults independent of all purvices from

"I theorht major, that it was not unlikely you the surface of a comet."

The major smiled incredulously: but Servedan nothing daunted, went on to detail the results of the collision between the comet and the earth, adding that, as there was the almost immediate prospect of another concussion, it had occurred to him that it wight he advisable for the whole porclation of Galila to unite in taking precautionary measures

"In fact, Major Oliphant," he said in conclusion, "I are here to inquire whether you and your friends would be disposed to join us in our present quar-

for the common welfare.

"I am obliged to you, Captain Servedoe," answered the major stiffly, "But we have not the

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alightest intention of abandoning our post. We have received no government orders to that effect; "But allow me to repeat," insisted Servader, "that

to come in contact with it again in shout eight "I have no doubt." the major answered, "that

England will make every effort to recise us." Servidae felt perplexed. It was quite evident that of one avilable of what he had been saying

"Then I am to understand that you are deterraltar?" asked Servadac, with one last effort at "Certainly: these two posts command the en-

trance of the Mediterranean. "But supposing there is no longer any Mediterransan?" retorted the captain, growing impatient. "Oh, England will always take care of that," was Major Oliphant's cool reply. "But excuse me," he

And without further purisy, followed by his sel-Servadae examine his mustache with minried rare

"A fine piece of huniness we have made of this!" "We will make our way back at ence," realied

"Yes, the aconer the better, with our tails between our lors," relained the order)r, who this time turned as it had set out-in Ben Zoof's knamsek. On the sighth evening after starting, the travel-

in time to witness a great commotion, Palmyrin Resetts was in a furious rage. He had perfidious satellite had totally disappeared. The

velving in its proper some of the miner planets. CHAPTER XVI

N his return Servadec communicated to the A sis recum Servane communicates to the personal project, did not emocal the fact that the Spanuards, without the smallest right, had sold

Having refused to guit their nest, the Englishmon had virtually excluded themselves from any further consideration; they had had their warning,

Although it had proved that not a single creature either at Gourbi Island, Gibraltar, Coute, Madelena,

The day following Servadac's return, he and the most advisable method of proceeding under their present prospects. Ben Zorf was, as a matter of had been saked to attend; but he declined on the ples of taking no interest in the matter. Indeed, the disappearance of his meen had utterly discen-

In the least to make it certain that a like immunity

secape was doubtless owing to some slight, though unaccountable, modulanties in the rate of motion

so fortunately, was a question that had still to be

long his cornet also, plonged hire into an excess of Although the berrier of cool reserve was secretly scrupulously concealed any outward token of their

inner feelings, and without any personal hise anplied their best energies to the discussion of the question which was of such mutual, nay, of such Servadac was the first to speak. "In fifty-one days, if Professor Rosette has made no error in his calculations, there is to be a recorrence of collision

we have now to make is whether we are prepared for the coming shock. I sak my-sif, and I sak you. whether it is in our power, by any means, to avert the evil consequences that are only too Blody to

Count Timescheff, in a voice that seemed to thriff disposal of an over-ruling Providence; human pre-cautions cannot away the Divine will." "But with the most profound reverence for the will of Providence," replied the captain, "I beg to

we can to escape the threatening mischled. Heaven "And what meens have you to surrest, may I gald?" said the count, with a faint secent of satire. Servidae was ferred to acknowledge that nothing

tangible had hytherto presented itself to his mind. "but I don't understand why such learned gentlemen as you cannot make the comet so where you "You are mistaken, Ben Zoof, about our harn-

with all his learning, has not a shadow of power to prevent the comet and the earth from knocking against each other." "Then I carnot see what is the use of all this

learning," the orderly replied. "One great use of learning," said Count Timuschaff, with a smile, "is to make us know our own

While this conversation had been going on, Lieu-

pected shock, there may be a variety of dangers. If, pentlemen, you will allow me. I will courserate them; and we shall, perhaps, by taking them seriuthe time of the first concussion, there was nothing tion, be in a better position to judge whether we can successfully grapple with them, or in any way mitistorm, should be left as it were upon the support There was a coneral attitude of attention. If was surrelining how calmly they proceeded to discuss

the circumstances that looked so threatening and "First of all," resumed the heutenant, "we will

'And the refine fact to be remembered," interposed Servadae, "is that the combined velocity of "Express speed, and no mistake!" muttered Ben

"Just so." assented Procepe, "Now, the two bodies may immunge either directly or obliquely. If the impact is sufficiently oblique, Gallie may do earth; she may, or she may not, carry off a per-

tion of the earth's atmosphere and substance, and so she may foot away again into space; but her orbit would undoubtedly be deranged, and if we

"Professor Rosette, I suppose," Ben Zoof re-"But we will leave this hypothesis," said the lieutenant; "our own experience has sufficiently shown us its advantages and its disadvantages. We will

"A great wort upon her face?" saud Ben Zoof, Isughing. The ceptain held up his figurer to his orderly. making him understand that he should held his

"It is, I presume, to be taken for granted," conearth is comparatively so large that, in the event of a direct collision, her own motion would not be

comet along with her, as part of herself," "Very little question of that, I should think," said "Well, then," the Ecuternat went on, "what part

of this cornet of ours will be the part to some buts collision with the earth? It may be the equator, where we are: it may be st the exactly engested In any case, it seems hard to foresee whence there

is to come the faintest chance of deliverance." "Is the case so desperate?" asked Servadae, "I will tell you why it seems so. If the side of the comet on which we are resident impinges on the

"Regular inforessest?" said Ben Zoof, where no admonitions could quote reduce to silence. "And it," said the licutement, after a moment's terruption-"and if the collision should occur at our antipodes, the sudden check to the velocity of

situ; and, another thing, we should ren the risk of would be assimilated with the terrestrial atmosphore, and we, supposing we were not dashed to

"But would not our chances of escene be rousiderably better," asked Count Timescheff, "in the of contact?" "Taking the curshined velocity into account," answered the heutemant, "I confers that I fear the

A general silence ensued, which was broken by the gencies occur in the way we have contemplated, I am driven to the ampleten that we shall be burnt

"Bornt abve!" they all exclaimed in a chorus of

If the deductions of modern science he true, the speed of the comet, when suddenly checked.

so intense that the temperature of the comet will be No one having anything definite to allege in reply to Lautenant Procope's forebodings, they all relapsed into silence, Presently Ben Zoof saked

Procone shook his head, "Even so, we should only "Thus, as I understand," said Ceptain Servadan.

reasted, or drowned. Is that your conclusion, Hen-"I ornfess I see no other alternative," answered

"But lin't there another thing to be done?" said What do you mean?" his mester asked.

"Why, to get off the count before the shock remes." "How could you set off Gallia?" "That I can't say," replied the orderly

"I am not sure that that could not be accomplished," said the ileutenant. All eyes in a moment were riveted upon him, an, with his head resting on his hands, he was manifeetly cognisting a new idea, "Yes, I think it could be accomplished," he repeated. "The propert may appear extravagant, but I do not know why it should be impossible. Ben Zoof has hit the right usli on the

bead; we must try and leave Gellin before the shock." "Leave Gallia! How!" said Count Timescheff, The Neutenant did not at once reply. He continue

distinctly, "By making a balloon!" "A ballnes!" he exclaimed, "Out of the ones-

tion! Balloons are exploded things. You hardly find them in novels. Balloon, indeed!" "Listen to me," replied Proceps. "Perhaps I can

convince way that my idea to not so chimerical as od to establish the feasibility of his plan. "If we to humor, and can succeed in loanchone correctors phere. I believe it will transpire that this atmosphere will amplements with that of the earth, and

Count Tomaschoff reflected for a minute, and

The scheme seems touble; and I shall be ready to "Only, remember," continued Procope, "there are many changes to one against our success. One in-

our halloon is burnt to ashes. Still, reluctant as I am to acknowledge it, I confess that I feel our note hope of safety rests in our getting free from this

ecens^{4,75} "If the chances were ten thousand to one against us," said Servadso, "I think the attempt ought to be "But have we hydrogen enough to indate a bal-

"Hot air will be all that we shall require," the Bestenant answered; "we are only contemplating

"Ah, a fire-balloon! A montgolfier!" eried Servadar. "But what are you going to do for a cas-"I have thought of that. We must out it out of the salls of the Debryou; they are both light and

strong," rejoined the lieutenant, Count Timescheff Truly during was the plan of which Lieutenant Process had thus become the originator; but the very existence of them all was at stake, and the

they were greeted with a welcome which no appreone of the enterprise it was absolutely necessary to know, obnest to a minute, the precise time at which the collision would occur, and Captain Secvadac undertook the task, by gentle means or by

apperintendence of the construction of the monthe large enough to carry the whole of the twentythree residents in the volcana, and, in order to provide the means of fleeting aloft ling enough to rive time for selecting a proper place for descent,

and keen up the necessary surply of heated air. The sails of the Dabryon, which had set been carefully stowed away in the Hive, were of a texture unusually close, and quite capable of being made sirtight by means of a varnish, the ingredients of which were remembed out of the promiseptraced out the pattern and cut out the strips, and oil houds were employed in seaming them together. persisted in accomplishing her own share of it. this port, and having initiated the Spaniards into professor were the only two members of the com-A month named away, but Servaine found no opportunity of getting at the information he had

riedered himself to eain. On the sole occasion when was no hurry to get hack to the earth, there need Indeed, as time passed on, the professor seemed

to become more and more inaccessible. A pleasant servatory, from which intruders were rigility shut out. But Servadae bided his time. Ha grew more out the exact moment at which the impact would sect to the too reticent astronomer. Meanwhile, the earth's disc was daily increasing

in magnitude; the comet travaled 50,000,000 learner A thaw had now fairly set in. The breaking up of the from ocean was a magnificent spectacle, and ally describe it, was heard in all its solemnity. Little streams of water heren to trickle down the deshare, only to be transformed, as the melting of the formed and carried ranking along by breezes to customed. All those were doubtless but the prelude to atmospheric disturbances of a more startling

A double disaster was the inevitable consequence of the thaw. Both the schooner and the tartan were artiraly destroyed. The hazarrent of the lex nedental on which the ships had been upheared was gradually undermined, like the icohergs of the Arctic of the 12th the huge block collapsed on essent, so that on the following morning nothing remained of the Debryse and the Hansa except the fragments

Although certainly expected, the cutsatrophs could not full to cause a same of general depression. had been broken; the ships were gone, and they had only a balloon to replace them!

To describe Isano Bakkabut's rage at the destruction of the tarian would be impossible! His oaths were simply dreadful; his improcations on the accuraed race were full of wrath. He swore that Servidae and his people were responsible for his

loss; he vowed that they should be sued and made to pay him damages; he asserted that he had been in fact, be became so intolerably abusive, that Survador threatened to put him into irons unless he conducted himself preparty; whereupon the Jew, finding that the centain was in earnest, and would not hesitate to carry the threat into effect, was fain rigging of the yacht, and the car, composed of the twenty-three passengers it was intended to

fort or convenience, as the ascent was to last for so short a time, merely long grough for making the The necessity was becoming more and more urg-

ate than ever in his resolution to keep his secret. On the 15th the cornet errored the orbit of Mars. last hour had taken them untwares. The vokano ternal disturbances, and Servadae and his com-

to some sublan disruption, rushed into the open air. The first object that caught their attention as nate professor, who was acrembling down the It was no time for condolence.

A new marvel arrested every eye, A fresh satellite, in the gloom of night, was ablaing complex-

That satellite was a part of Gallia itself! By the expansive action of the inner heat, Golffa, like Gamburt's comet, had been severed in twain; The frozment included Cepts and Gibraltar, with

THAT would be the consequences of this sudhis people hardly dared to think. The first change that came under their observation was the rapidity of the sun's appearances and disappearances, forcing them to the conviction that although the comet still rotated on its axis from

"We are coming to something?" exclaimed Servadoc, "We have got a year of something like 2.810

"I shouldn't think it would be an easy matter to Servadae laughed, and remarked that they abould

"And who told you that Gallia is not coing back withering score. It soon became evident that the detached portion

ally retresting into space. Whether it had carried sound any other condition for supporting life, and whether it was likely ever again to approach to the to determine. For themselves the all-important rephon was-what effect would the rending avsunder of the comet have upon its rate of progress? and as they were already conscious of a further increase of muscular power, and a fresh diminution of specific gravity, Servadac and his associates could not but wonder whether the alteration in the the expected coincidence with the carth altogether. Although he profused himself incornectent to pronounce a derided ophiles, Lieutenant Procept manifestly inclined to the belief that no alteration

Rosette, up doubt, could arrower the question directly, and the time had now arrived in which he But the professor was in the worst of tempera. usually uncivil whenever any one ventured to speak tain draw the most favorable conclusions from Rosette's continued irritation. Had the comet been likely to fall in comme into contact with the earth. the professor would have been quite unable to concoal his astinfaction. But they required to know

more than the general truth, and fult that they had no time to lose in getting at the exect details.

The desired opportunity soon came. On the 18th, Rosette was overheard in furious alllittle cornet. A fine thing, he said, to split in two like a child's toy. It had cracked like a dry nut; and mightn't one as well live upon an exploding bomb? -with much more to the same effect. The new-

and the dispute was beginning to look serious when Thinking he could turn the wrangling to some good account, so as to arrive at the information he was so anxiously seeking, the captain pretended to espouse the views of his orderly; he consequently brought upon himself the full force of the profes-

Bootte's improuse became more and more winkert. till Servadac, fargning to be provoked beyond endurance, cried; "You forgot, sir, that you are addressing the Governor-General of Gallin

"Governor-General! humbug!" roared Bosette. "I dany it," said Servadae, "Gallia has lost its chance of setting back to the earth. Gellin has nothing to do with you. Gallia is mine; and you must

to the earth?" asked the professor, with a look of "Why, ign't her mass diminished? Ign't she split

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in half? But her whosily all altered?" demended
the captain.

"And pray who told you than!" again said the
processor, with a more.
"Everybody. Pour roley known it, of course."
"Scally."

"Everybody: Everybody knows it, at course," faculty,
pilled Servoids.

"Everybody is very clever. And you always were
very clever stolar too. We remember that of old,
test's we?"

in the fact we?"

out.

der't we't"

"Styl"

"You receiv mastered the first elements ordence, direkt you't you't wastered the first elements ordence, direkt you't"

"You receiv mastered the first elements or arreral of the salices. They from the gravels and the adjacent building capital nanayared by the severe-

"Sir" in yof the winter weather; numbers of little rivided intersected the pasture-land lowe plants were "Biold year torgots, sir" believed the captain spring art is a segre was uncontrollable.

som, and the segre was uncontrollable, and the harming foliage was tenanted by the

"Not I," said the professor.
"Hold your brouge?" repeated Servadae.
"Just because the mass is altered you think the abodity is altered?".
"I have been seen the mass is altered you think the abodity is altered?".

shouly in altered!" "Ridd you tongool" oried the outside, looser than "Ridd you tongool" oried the outside had been to make the mass to do with the origin of the outside the dry great and thrus which was accessive, many contact do you know the mean, and very outside the will have been conveyed to the

many consists do you know the man, and yet you combenson it would have been conveyed to the know their movements? Ignorance!" elevated Recettle.
"Insulance!" retorted Servalac.
"Sunshance!" retorted Servalac.
Ben Zoof, really filmking that his master was
The last of the cost having been consumed, the

argey, made a threatening movement towards the fragments of the shipwrecked vessels had to be professor.

"Touch me if you dure!" screened Boostle, drawing himself up to the fullest height this dimensions great habitub when he found that they were borning himself up to the fullest height this dimensions begunded the day were the found to the contract of the co

figure would allow. "You shall answer for your conduct before, a court of instincts" of which the property of the standard o

pot heavy are relectly is charged; as charged to prefer to modifies departure. The activity repeated the prefessor, with declaration of the activity repeated the prefessor, with the colonial price marked that the assuming a first problem of the precision of the

"Not too far off for an to come across hor ortical and a first such as the first such as the first such as the security of the centring int of January."

"Thinkin, my dear produces—sumply made. You have given in all the information of required," the property of the centre given in all the information of required, "the first such a rearre became more up that without the first such withdraw. For earlier younger is unsulfared. We required," and the first withdraw. The information of required in the sub-decreased and the first sub-decreased in the first sub-d

tain withires. The evidery ranks an equally police loop, and followed him nature. The prefestor, completely needlusted, was left alone. Thirteen days, aftry-two of the present—was all the facilize days, aftry-two of the present—was all the finise for preparation that now remained. Every

times but projections that now bringing. And the projection of the

surroug that the slightest clock in their procress. Results sallors' only thought was to follow that would result in informationers constitute, they all many the surrought of t

made a point of abowing aimself quite enthusiastic were only too in his anticipations, and to Ben Zoof the going up penging their in a baloon was the surrowne bright of his ambition. Som whatever,

The only resignated was Palvein Rosette, Day hardly earry ourselves; we can't have any dead weight here. Pitch it out, man, nitch it out!"

was a never-ending theme of complaint; and just abcoting-stars, and new discoveries might have

desveced to increase the intensity of his vision by in the Datoure's medicine short; with hardis fortitude he endured the tortures of the experiment, and all in vain; not a single fresh discovery rewarded his exflerings.

No one was quite exernet from the foverish excitemont which prevailed during the last days of Decomber. Lieutenant Process superintended his final to be inflated. The car was close at hand. Some inflated skins had been attached to its sides, so that descending in the sea at a short distance from the shore. If unfortunately, it should come down in mid-occar, nothing but the happy chance of some nessing vessel could save them all from the cer-

balloon, with its large living frencht, would be high that of the earth, but no difficulty in accending was

Gallia was now within \$6,000,000 miles of the sun, consequently not much more than 4,000,000 diminished at the rate of nearly 208,000 miles an hour, the speed of the earth being about 70,000 miles, that of the cornet being little less than 1884-

000 miles an bour, It was determined to make the start at two o'clock, three-quarters of an hour, or, to speak correctly 42 minutes 35.6 seconds, before the time predicted by the professor as the instant of collision. An hour previously the balloon was juriated with

perfect success, and the car was securely attached to the network. It only awaited the stowage of the Isaac Hakksbut was the first to take his place in

noticed that his waset was encompassed by an enormous girdle that bulged out to a very extraordinary extent, "What's all this, Hakkahut?" be "It's only my little bit of money, your Excellency; my modest little fortune-a mere haratelle," said

"And what may your little fortune weigh?" in-"Only about sixty-six pounds?" said Issae. "Sixty-six pounds!" cried Servadae, "We haven't

reckened for this."

"Sixty-six pounds?" repeated Servadec. "We can "Out with it, I say!" erled Servedse "What, all my money, which I have saved so long, and tooled for so hard?"

"It can't be belowd," said the captain, unmoved, "Now, old Nicodemus, listen to me," interposed

"Merciful heavens?" bersn the Jew.

above his mency; he made a ismentable outcry about it, but he unfastened his girdle at last, and

not it out of the car. Very different was the case with Palmyrin Rosette. He avowed over and over again has intention should be trust himself to a believe, that would the corner? Why should be not go once again upon His volubility was brought to a sudden check by ado, to take him in their arms and put him quietly

To the great regret of their owners, the two behind. The only greature for which there was found a place was the carrier-pigeon that had wadac thought it might probably be of service in erly, had taken their piaces, Servadae said, "Get in,

"After you, sir," said Ben Zoof, respectfully, "No, no!" insisted Servadao; "the captain must be the last to leave the ship I' over the side of the ear. Servadac followed. The cards were suf. The balloon rose with stately calma ness into the air.

WHEN the balleon had reached an elevation of about 2,500 yards, Lieutesont Proceps de-termined to resintals it at that level. A wirework stove, suspended helow the casing, and filled with lighted her, served to keep the air in the in-

Beneath their feet was extended the basin of the raltar, which might have been expected in the week, had otterly disameared. On the couth roon the volcano, the extremely of the promoutory that jutted of the sea; whilst in every direction the strange soil, with its commuters of tellurium and gold. gleamed under the sun's rays with a perpetual

Appearently rising with them in their scoret, the horizon was well-defined. The sky above them were

AMAZING STORIES

perfectly clear; but away in the northwest, in opasition to this sum, desired a new sphere, so arrand that it could not be an antereot, but like a dimension. It was the fragment that the internal convaison had read from the surface of the count, and which was now many thousands of linguing away, which was now many thousands of linguing away, justed. Durking the history of doublight, it was far from distinct, but after mightful it was far as an armount of the country of the country

definite later.

The object of the barretizal flow, which was a possible for the control of the which was applied provide down obligated broaded the same that the control of the distribute onlines and enormous protein of the direction of the control of the cont

ment, those were the vapors that pervoided the terercitial enterophere.

But a the necronate were being hurried on at a tispend of 70 miles a second, this vapors appear of the an earth apen developed Studi fine definite cultimes. We Mountain and platins were no larger confined, the idialization between sea and where were more plainly developed to introduce the large and the property of the terediffer, and introduced the large, as it were, described

securized, and instead or search, as it ware, experient on a map, the surface of the earth appeared as though medalled in relief. Twenty-serve minutes past two, and Gallia is only 72,000 miles from the terrestrial sphere; quicker and quicker is the webothy; ten minutes later, and

they are only 36,600 miles apart!
The white configuration of the earth is clear.
"Europe! Russial Prance!" shouted Procope, the ceunt, and Servadas, almost in a breath,
And they are not mutakes. The eastern bends-

phere lies before them in the full bleas of light, and there is no possibility of arror in distinguishing centiant from continut.

The supprise only kindled their cention to yet keeper internately, and it would be hard to describe the excitement with which they grand at the panners.

Return (permitty, had it white as and at the permitty the architecture, with which the grand at the permitty of the continuous with which the grand at the permitty of the continuous continuous, but imagination overlapped all emotions of bard, but imagination overlapped all emotions of the continuous continu

has presents of the states of Europe which was centrapidus before their ope, was component for the fastatis recordinger with which Maintatistic properties of the states of the states of the telephone and the states of the states of the number flow sum stately dimer towards the said, cutter of the rithe listic; Swords and Newsy, with both brighting upon of recording, secured the states of the telephone down, and the states of the best of the telephone down, in the state of the best of the telephone down, in the state of the best of the telephone down, in the state of the police hear, steed with its head inswerid Ania, for Cartings, Autrit combined to the policy of writed on

and slopping a wanthful sleep, Spain, with Pectugal as a paramet, like an unfurther borner, fluided from the externity of the contracti; Turker, like an isotionat cook approach to like the property of the contraction of the property of the like the contraction of the contraction of the contraction of the contraction of the eight-ditting body, was jugging defity with the island of Sobry, Machinan, and Corriers, Promise, as many, its edge just gream the freedless of Prance;

whilst France Itself suggrated a vigorous torse with Parts at the heast. All at once Ben Zoof broke the dilence: "Mortmartre! I see Mortmarter" And, arolle at the absurdity as others might, nothing could induce the worthy orderly to surrender his belief that be outdo actually mals out the features of his helved home.

rardity as others might, nothing could inition the worthy orderly to surreader in both that he sould actually make out the features of his beloved been. The only individual wides sould assential surreadby the approximity sorth was Palmyrin South. Leading over the sound of the ret, we feating solve the sound to the sound of the ret, we feating solve a mile and a helf tolow him, bright in the peared irradiation which was fooding the surreading space. Cliptomorphy in hard, Liotenant Process atoms

all was only broken by the order to explaint, the strone, that the abilities might retain its necessary, level, Berwahe and the count continued to goes upone the seath with an expenses that almost amounted to raw. The balloon was slightly in the rear of Collin, a drawmarizes that augment storaged afforerably, because it might be presumed that if the center, proceeding the abreate in the subdements of transfer from one situation of the softeness of transfer from one situation to the other, as

the belicon alight! If upon term from, would it be in a place where adequate resources for safety would be at hand! If upon the cowar, would any passing vessel be within hall to recons them from it their critical position? Truly, as the count observed to his comercia, none to it a Divine Platconfid steer them now. "Percytory minutes past!" said the Bestenant,

and his voice seemed to the'll through the silence of expectation.

There was not 20,000 miles between the commit and the certh!

The calculated time of impact was 2 hours, 47 minutes, 35.6 records. Five minutes more and collision must cause! But was it so? Just at this moment, Lieuteman

is an oblique course. Was it possible that after all collision would not occur?

The deviation, however, was not great; it did not justify any articipation that Gailla would merely that the course of the course o

justify any anticipation that Gailla would merely gross the sorth, as it had done before; it left we certain that the two hodies would inevitably implage.

pinge.
"No death," said Ben Zoof, "this time we shall stick together."

Another thought occurred. Was it not only too likely that, in the fusion of the two atmospheres, the balleon itself, in which they were being col-

OFF ON A COMET Gallian should survive to tell the tale of their In fact, they were sourcely more than a wile from

Moments were precious; but Hoctor Servadae reat least some record of their excursion in solar dis-Tearing a lenf from his note-book, he wrote down the name of the comet, the list of the fragments of

paniers, and the date of the ceret's subelion; and which was nestling in her becom-

The child's even filled with tears; but she did not say a word, and imprinting a kiss upon its soft plumage, she surrendered it at once, and the mescare was hurriedly fastened to its neck. The bird ened in their diameter, and quickly sank to an al-

titude in the comet's atmosphere much inferior to Some minutes more were thus consumed and the

interval of distance was reduced to less than \$400 The velocity became inconceivably great, but the

car in which they were making their serial ad-"Frety-six minutes!" announced the lieutenant.

The glowing expanse of the earth's disc seemed like a vast fusnel, yawning to receive the comet and its atmosphere, balloon and all, into its open mouth. There was half a minute yet, A thrill ran through

every vein. A vibration sulvered through the atmasphere. The balloon elemented to its primost Every reasoneer in the suivering car involuntarily morpheres amalgamated, clouds accumulated in

In a mustery every one found himself upon the earth aguin. They could not explain it, but here they were core more upon terrestrial sail; in a

awoon they had left the earth, and in a similar awoon they had come back! Of the halloon not a ventige remained, and contrary to previous computation, the comet had merely ground the earth, and was traversing the regions.

of spece, again far away! CHAPTER XIX DACK ADAIN

N Algeria, captain1º "Yes, Bux Zouf, in Almeria; and not far from Mestaconers." Such were the first words which after their return to consciousness, were exchanged They had recided so long in the province that had been returned to the earth at the wary identi-

cal agot where they had suitted it.

made their way to the town. It was a matter of excitement anywhere so they went along. The population was perfectly colm; every one was pursuing his ordinary avocation; the eattle were browning quietly upon the pastures that were most with the sight o'clock; the sun was vising in the cost; workincident had either transpired or been expected by there was not the faintest trace of any such phanemenon crossing men's minds, and awakening, as it

Mostaganem, and in the course of an hour, when

thay had all recovered from the bewildermost occa-

approach of the millennium. "Nobody expects us," said Servadas; "that is very certain." "No, indeed," answered Ben Zoof, with a sigh; he

taranum was not welcomed with a triamphal reception. They reached the Mascara gate. The first persom that Servadac recognized were the two friends that he had invited to be his seconds in the dual two

captain of the 8th Artiflery. In return to his somebeartily, "Ah! Serwidse, eld fellow! is it you?" "I, myself," said the centain. "Where on earth have you been to all this time? In the name of peace, what have you been doing with

"You would never helieve me, colonel," answered Servadse, "if I were to tell you; so on that point I had better hold my tongue." "Hang your mysteries?" said the colonel: "tell me, where have you been?" "No, my friend, excess me," replied Servedse; "tut shake bands with me in carnest, that I may be sure I am not dreaming." Hector Servadae had

made up his mind, and no amount of purpussion could induce him to display his incredible experi-€D068 Anxious to turn the subject, Screader took the carliest opportunity of asking, "And what about "Madame de L----!" exclaimed the colonel tale-

ing the words out of his mouth; "the lady is murried long are; you did not suppose that she wan going to walt for you. 'Out of sight, cut of mind.' "True," replied Servadae; and turning to the count he said, "Do you hear that? We shall not

have to fight our duel after all," "Most honoy to be excused," rejoined the count. The rivals took each other by the hand, and were

"An immense relief," said Servades to himself, "that I have no occasion to finish that confounded rondo!" It was agreed between the cantain and the count

that it would be desirable in every way to maintain the most rigid allence upon the subject of the inexplicable phenomena which had come within their



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As an Electrical Expert

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plently to find that the shores of the Mediterrance had undergone no charge, but they coincided in the opinion that it was prudent to keep their bewilderment estirely to thomsolves. Nothure induced them

to break their reserve.

The very next day the small community was broken up.

The Debryon's crow, with the counts and the Hesterman, started for Russia, and the Speniards, provided, by the count's

ed for Russis, and the Speniards, provided, by the count's liberality, with a competency that exsured them from wart, were dampatched to their native shores. The lowe taking was

accomplished by genuine tokens of regard and geodusii. For Issae Haldwalut alone there was no feeling of regret. Doubly ruined by the loss of his fartnes, and by the absundement of his fartnes, he disappeared entirely free the scene. It is needless to say that no one

fecubied binnedt to institute a search after him, and as Ben Zoof sententiously remarked, "Perhaps old Jeborane is making money in America by exbiliting himself as the latest arrival from a conset!" But however great was the

teceive whose Capcain Servide might neithe on his part, nething could induce Professor Results to conceal his experiences. In spits of the deutal whith astroneours after astroncomer gave to the appearance of such a count as Gallin at all, and of its busing refused admission to the catalogue, he publabel a voluntious treatise,

other give to the appearance of sight a count as Gallia at all, and of sit being settled admission to the ottlegen, he published a voluntiness treation, not only detailing his own adventures, but settling forth, with the most elaborate precision, all the elements which settled fits peried and its orbit. Discussions arone in admission

an unimportant minority decloved themselves in his fiver, and a persphet obtained some degree of notice, ridicaling the whole delete under the title of "The History of an Hypothesis." In reply to this impericent cathletes of his labora-

sis." In reply to this imperition ordinates of this labors, Rosetto insued a rejoinder full of the most whement assertertion that a frequent of Gibraltar was still travering the regions of space, carrying thirteen Ragilahom upon its surfase, and ecochaling by assing that B was the great disappointment of his high that be

Table and little Nim were subjected to not be Servelax, we the other by the neutral varieties of the transparent of the transpa

and Eve of a new world.

The career of the comet was ever a mystery which neither Servadae nor his orderly could alliminate from the regions of doubt. Anyhow, they were former and more confiding friends than ever.

One day, in the envirous of Montinaries, where they were seamer from corresponses, Row Zoof incidentally referred to the experiences in the depths of Nira's River; but stopped sheet and said, "However, those things never happaned, sir, did they?" His master could only realr,

nor; is a man to believe?"